



CITY DOCUMENTS

OF THE

CITY OF LOWELL

FOR THE YEAR 1874-75.



LOWELL, MASS.:
MARDEN & ROWELL, BOOK AND JOB PRINTERS, COURIER OFFICE.
1875.

EXTRACT FROM THE ORDINANCES OF LOWELL.

CHAPTER V.—CITY DOCUMENTS.

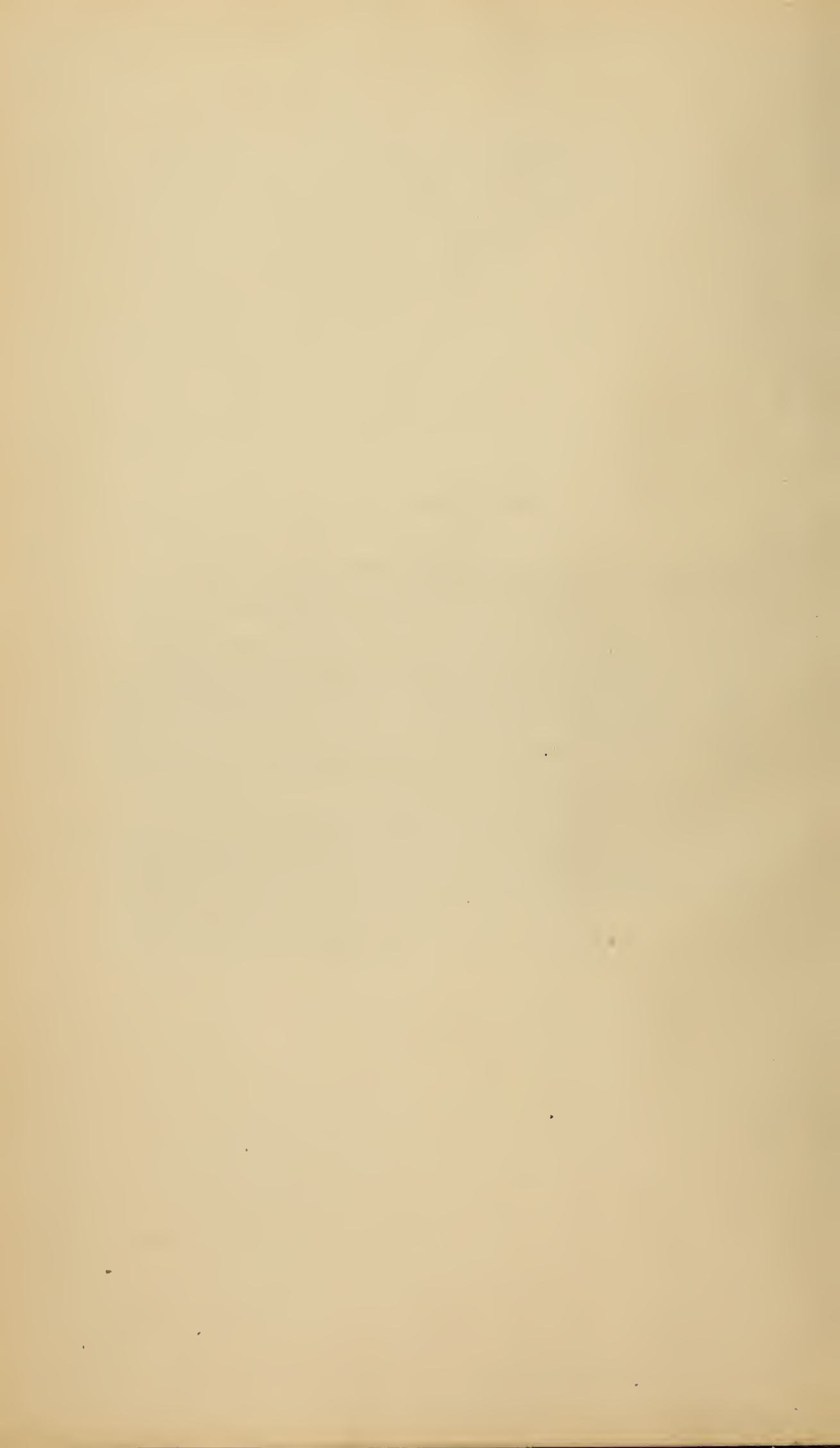
[Amended January 23, 1872.]

SECTION 1. The following City Documents shall be printed in pamphlet form of the size of the Annual Report of the School Committee, to wit: Mayor's Address; Auditor's Annual Report; Annual Report of the Directors of the City Library; Annual Report of the Superintendent of Burials; Annual Report of the Chief Engineer of the Fire Department, and Municipal Register.

SECTION 2. All City Documents shall annually be bound together in one volume, under the direction of the City Clerk, a copy of which shall be deposited in the City Library; in the Middlesex Mechanics' Association in Lowell; and one copy shall be sent to each city of the Commonwealth, the Library of Harvard College, the Public Library of Boston, and the Smithsonian Institute at Washington.

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2. Municipal Register, containing Rules and Orders of the City Council, and a list of the Government and Officers of the City of Lowell for 1875.
3. Forty-Ninth Annual Report of the School Committee of the City of Lowell, together with the Tenth Annual Report of the Superintendent of Public Schools, for 1874.
4. The Auditor's Thirty-Ninth Annual Report of the Receipts and Expenditures of the City of Lowell; together with the Treasurer's Account, for the Financial Year ending December 31, 1874.
5. Salaries of the Officers of the City of Lowell, for the year 1875-76.
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10. Second Annual Report of the Water Board of the City of Lowell, made January 1, 1875.
11. An Act to revise and consolidate the Charter of the City of Lowell.



INAUGURAL ADDRESS

OF

HIS HONOR

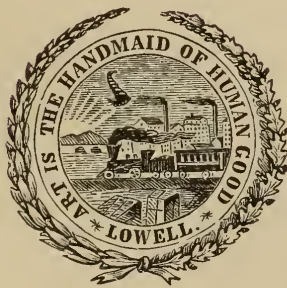
FRANCIS JEWETT,

MAYOR OF THE CITY OF LOWELL,

TO THE

TWO BRANCHES OF THE CITY GOVERNMENT,

JANUARY 4th, 1875.



LOWELL, MASS.:

HUNT BROTHERS, SUCCESSORS TO PENHALLOW, BOOK AND JOB PRINTERS.
1875

CITY OF LOWELL.

IN COMMON COUNCIL, January 4th, 1875.

ORDERED, If the Board of Aldermen concur, That His Honor the Mayor, be requested to furnish a copy of his Address for publication.

In Common Council, January 4th, 1875.

Read and adopted; sent up for concurrence.

DAVID CHASE, *Clerk.*

In Board of Aldermen, January 4th, 1875.

Read and adopted in concurrence.

SAMUEL A. MCPHETRES, *City Clerk.*

MAYOR'S ADDRESS.

Gentlemen of the City Council:

It becomes us in commencing the labors of another year to recognize the wisdom and beneficence of God in the past, and to implore the continuance of His favor in the future.

Forty-nine years ago Lowell was organized as a separate municipality under a town government, and thirty-nine years ago under her city charter. In the short period of less than half a century she has grown from an inconsiderable village to a populous and vigorous city of more than fifty thousand inhabitants, with prospects of further rapid growth for many years to come. Her enterprise and wealth have kept pace with her increase of population. The whole past history of our city teaches us that we must not only provide for our present wants, but also for future growth and expansion. Originally our territory was confined to a small neck of land lying between the Merrimack and Concord rivers, with an area of about sixteen hundred acres. In 1834 this territory was enlarged by the annexation of a portion of the town of Tewksbury,

on the easterly side of Concord river, containing about four hundred acres, and constituting that portion of the city heretofore embraced in Ward Six. In 1851 a second increase of territory was made of about five hundred acres, by the annexation of a portion of the town of Dracut, lying on the northerly side of the Merrimack river. By the annexation of portions of the towns of Chelmsford, Dracut and Tewksbury the last year, we have again enlarged our territory, extending it in three directions. Our area by this last addition has been doubled, and contains now about five thousand acres. Such, gentlemen, is the city whose affairs we are to manage for the coming year. This large increase of population and extent of territory demands corresponding appropriations, plans and measures. But we may congratulate ourselves that with the rapidly increasing demands of our city, our means and wealth to meet those demands have kept even pace. A wise and economical use of the resources within our reach will amply supply all the demands of our city in its present enlarged condition, without burdening our people. I can only repeat to you the sentiments of my address of last year, that the highest wisdom demands that we should so thoroughly do our work each year as it passes, and with such reference to future necessities, that what is once done may permanently remain, and meet the wants of the city for time to come.

And again let me impress upon you the wisdom of making each year meet its own burdens. So far as is possible, let us not impose upon the future the payment of expenditures for present purposes. In a time of peace, when no extraordinary outlays are demanded, the taxation of each year should meet and pay its expenditures. Our debt is large. Let us not increase it. Let our policy be the liquidation and not the increase of the city debt.

With these preliminary and general remarks, allow me to call your attention, in accordance with the provisions of our charter, to more particular and special suggestions and recommendations.

SCHOOL.

In building up and governing a great city, the education of the young must ever claim our first attention. This truth, stale and trite as it may seem, cannot be too prominently or constantly in our minds. Of what avail will be all this expenditure of money, this care, anxiety and labor of the city government year by year, to improve, build up, regulate and adorn our city, if in any future period it is to fall into the hands and under the control of a population, ignorant and vicious, who will no longer appreciate, guard, and perpetuate our good work?

While we aim to make our city attractive and desirable to dwell in, let us especially strive to transmit it to a generation worthy to receive it—a generation, prepared by education and increased intelligence, to continue and improve the good work which we have begun. I cannot fail to say to you once more, that our public schools, as established and bequeathed to us by our fathers, which aim at the free education of every child, without reference to condition, color, nationality, sex, religious sect, is the glory of our land and should ever be maintained and cherished against all attacks and opposition. It devolves upon us, the coming year, to furnish the means to maintain and conduct these schools in our city. I recommend for them a generous appropriation.

Our public schools at the present time consist of one high school, nine grammar schools, fifty-six primary schools, and three mixed schools, in the territory recently annexed—one in Middlesex Village, and two in the portion acquired from Dracut. In addition to these there are five evening schools, and two free drawing schools, established and maintained under the law of 1871. For the objects and working of these special schools I refer you to my address of last year, and will only add that we are not obliged by law, but only permitted, to maintain the free evening schools, and it is a matter to con-

sider whether, unless they can be rendered more successful, the good they accomplish will justify their continuance. The whole number of scholars in these schools is 1,358, and the average attendance is 499. Their total cost is \$4,618.63, of which \$3,162 is for teaching; cost per scholar \$14.93. Cities with a population exceeding 10,000 are required by law to maintain the free drawing schools. These schools, I believe, are accomplishing much good, and ought to be kept up. They afford the means of obtaining much useful knowledge and skill to mechanics, laborers, and others whose circumstances prevent their attendance upon the regular public schools. I ask of you an active interest in these, as well as in all our public schools.

The number of scholars in our regular public schools is 5,446, or 364 more than last year. Of this number 140 are from the newly annexed territory, and 500 have attended school for the first time, having just reached the legal age of five years. The number of teachers is 129.

The Truant Commissioners have been active during the year, and their labors have had a very healthful effect in the government of the schools and in causing many scholars to attend who would otherwise grow up in ignorance.

The whole amount of the school appropriations for the last year, including the undrawn balance of the previous year and the amount received from other sources, was \$138,265.13; of which sum there has been expended \$123,355.54, leaving a balance of \$14,909.59.

SCHOOL HOUSES.

A resolution of the government of last year for furnishing better accommodations for primary schools 32, 26, 11 and 43, was referred to the City Council of this year, and I recommend it to your earnest and early attention. Those schools are in great need of improved accommodations.

I renew my recommendation, made in each of the two preceeding years, for the purchase of a lot of land in Ward Four, for the erection of a new grammar school house. The annexation of the new territory from Chelmsford increases the importance of this recommendation, and I once more earnestly call your early attention to the subject. Land between Lee and Paige streets has been purchased with reference to the erection of a school house for the accommodation of two primary schools, and perhaps also the drawing schools, but as yet no action has been taken towards the erection of such a house. It was thought best, in view of the large appropriations of last year for

other purposes, that the matter should stand over until this year. I call your attention to the subject, trusting that you will take such action in the premises as may be necessary. No new school houses have been erected the past year. The sum of \$10,501.42 has been expended in repairs, and the school houses are all in good condition, and, as I am informed, will need no considerable outlay this year.

The appropriation for school houses was \$13,077.01; the amount expended \$10,501.42; leaving a balance of \$2,575.59.

PUBLIC BUILDINGS.

For several years there has been great complaint of the poor and straightened accommodations for the Police Court. Late in the last year there was passed by the City Council a resolution instructing the Committee on Lands and Buildings to fit up a suitable court room in the Market building, and, as by so doing two armories would be displaced, to put two additional stories upon the ward room and city carpenter's shop on Middle street, for their accommodation. In accordance with this resolution contracts were immediately entered into, and the work has commenced, and is now in an advanced stage of progress. It is believed that we shall now soon have

a court room, spacious, convenient and suitable, and which will last for many years to come; and that the new armories will be a great improvement on the old, and secure a rental from the State which will well pay the interest on the improvement. Both buildings on which the alterations are made will be improved in external appearance and will thereby benefit the streets upon which they are situated. We trust these alterations will be carried forward by you to a proper and speedy completion.

The lot of land in the rear of the City Government rooms has heretofore been encumbered with restrictions which forever prevented the city from building thereon or using the same for any purpose. These restrictions have just been released and removed by deed from the Locks and Canals Company, at an expense of \$1.50 per square foot and an entire cost of \$9,400. The city can now avail itself of this lot for any purpose which may hereafter seem desirable.

The appropriation for public buildings was \$35,730.34; the amount expended \$15,348.59; balance \$20,381.75.

LIBRARY.

I call your attention to the report of the Directors of the City Library, for information with reference to the

success of this institution the past year, and for full statistics in relation to the books, readers and finances. I desire to add my testimony to theirs, respecting the competency and faithfulness of the librarian and the managers, and the value and increasing usefulness of the City Library. The dog tax is annually appropriated to the benefit of the library. Over and above this a small appropriation will be required.

The whole amount appropriated last year, including the dog tax, was \$5,912.91; the amount expended \$4,546.61; balance \$1,366.30.

STREETS.

I need not enlarge upon the importance of good streets and ways for the accommodation of public travel. The opening and construction of broad, well-built streets will always add to the wealth, beauty and attractiveness of our city. I take great pleasure and pride in calling attention to the great improvement in our streets during the past two years, and I trust the work so well begun may be continued during the present year.

In the past year, 105 feet of corner stone; 15,346 feet of edge stone; and 13,991 square yards of sidewalk have been laid. Wooden pavement in Dutton and Bridge streets, amounting to 8,176 square yards, and stone pave-

ment, with granite blocks, in Gorham, Middlesex, Market, Dutton, Merrimack and Fletcher streets, and at Davis' corner and Liberty square, amounting in the aggregate to 8,594 square yards have been laid.

I recommend, this year, that paving be laid in Shattuck street, with wood ; and with granite blocks in Merrimack street, from Colburn to Hanover ; in East Merrimack street, from High to Alder street ; in Church street, from Central to Warren streets ; and in Gorham street, from Union to Elm street.

The following streets have been laid out and accepted the past year : A street extending from Moody to Merrimack ; Reservoir street ; an extension of Worthen to Fletcher street ; Porter street ; Agawam street ; Faulkner street ; South Highland street ; Dover street, from Branch to Middlesex street ; Leroy street ; Hampshire street ; Pleasant street and Fairmount street. Stevens street has been widened and straightened, and also School street, from Westford to Liberty street. East Pine street has been widened and straightened. There have been built : the street from Moody to Merrimack ; the extension of Worthen street to Fletcher ; Agawam street and Fairmount street.

It will be readily seen that a large amount of work

has been done upon our public streets, but much more yet remains to be done. I recommend a liberal appropriation, and that the improvements go forward as fast as a wise economy will admit, remembering that it is more economical to keep the streets in good repair than to suffer and pay for their defects.

The appropriation for streets was \$177,407.23 ; the amount expended \$153,260.24 ; leaving a balance of \$24,146.99.

SEWERS AND DRAINS.

I have heretofore called the attention of the City Council to the system of sewerage and drainage devised by engineer Cunningham and now being carried out. I once more invite your careful attention to this system, and to the maps and plans now completed, on which the whole system is completely, thoroughly and beautifully delineated. According to this system there have been built the past year, sewers in Suffolk street, from Cross street to Broadway ; in Broadway, from Suffolk street to Fletcher street ; Suffolk street outlet sewer, from the intersection of Race and Moody streets through Moody and Cabot streets to Merrimack river ; in Salem street ; Dane street ; in Merrimack and Prescott streets, from the City Hall to the outlet in the canal in the rear of Prescott street ; in Da-

vidson, Wall, High, Willow, Andover, Howe, Eleventh, West Fifth, East Pine, Carlton, Railroad, Summer, Gorham, West Union, South, Hurd and Jackson streets, at an aggregate cost of about \$100,000.

In pursuance of the system, I recommend the construction this year of sewers, as follows : In Salem street, from Pawtucket to Dane street, and from Whiting to Cabot street ; in Cabot street, from Salem to Moody street ; in Broadway, from Fletcher to School street ; in Suffolk street, from Broadway to Liberty square ; in Lewis street, from Broadway to Market street ; in Coral street, from Branch to Grove street ; in Hurd street to Concord river ; in East Merrimack street, from Fayette street to Concord river ; in Fayette street, between Everett and East Merrimack street ; in Pleasant street ; in Pond street ; in River street ; and Coburn street outlet, from River street to Merrimack river.

Of these sewers recommended, there seems to be urgent necessity that those in Salem, Cabot and Hurd streets should be proceeded with at the earliest possible date.

The appropriation for sewers the last year was \$412,227.79 ; amount expended, \$101,831.80 ; leaving a balance of \$10,396.09.

FIRE DEPARTMENT.

There has been no increase in the manual force of this department the past year. The apparatus has been increased by the addition of hose, a four-wheeled hose carriage, purchased from the Amoskeag Works of Manchester, N. H. A horse has been bought and a driver for it appointed, thereby giving greater facilities for protecting the remote parts of the city.

The remaining apparatus consists of four steam fire engines, three of them in service; eleven hose carriages, seven of them with companies attached; two of them with hose on at stationary points; one of them being used as a relief; and one hook and ladder company. The department now has nearly 15,000 feet of reliable hose, and, including those added last year, 534 hydrants. This would seem ample provision to prevent the occurrence of a heavy fire.

In the newly annexed portions of territory, and especially in Pawtucketville, I recommend that provisions against fire be made at an early day, either by the building of reservoirs or the extension of water pipe.

I learn from the Chief Engineer that the whole number of regular alarms the last year were thirty-three. The loss by fires is estimated at \$113,000, of which there were

recovered from insurance companies \$71,344, making a net loss, over and above the insurance, of \$41,656.

The fire alarm telegraph has continued to perform its work acceptably, both to the department and the public. Two additional boxes of an improved pattern have been located, one in Centralville and one at the corner of Salem and Common streets. Petitions have recently been presented for additional boxes in other sections of the city, to which I call your attention.

A lot of land in the southerly part of the city, on Gorham street, has been purchased for the erection of a building for the use of the department; but, owing to the lateness of the season, no steps toward its erection have been taken. Buildings and property in that section of the city are situated a considerable distance from the apparatus and need further protection. I therefore recommend the early construction of a suitable building upon the lot purchased.

I am happy to say to you that the department, which is of so much value to the city, is in excellent working condition, and has, the past year, exhibited much improvement and a great efficiency in the performance of its arduous and often dangerous labors. The condition of the department speaks highly in praise of the competency and ability of

the Chief Engineer, as also of the officers and members generally.

The appropriation was \$51,757.32; the amount expended, \$46,592.17; leaving a balance of \$5,165.15.

PAUPERS.

A visit to our Almshouse, and a few hours spent among the victims of vice, poverty and misfortune, who are gathered there as the only place of shelter remaining to them, will convince one of the value and wisdom of our system of caring for the poor by public taxation. These children of misfortune come from all classes and ranks in life. There are the victims of evil and degraded associates; there are those high born, respectably connected, and who have been in former years familiar with the comforts and luxuries of life. All professions and employments find their representatives there. Such a miscellaneous crowd of sufferers can only be effectively reached and relieved by money raised by general taxation and disbursed by municipal officers. Private charity is not broad and generous enough. By it some would be selected and faithfully cared for, but others would be neglected and left to suffer. Public charity in its impartial comprehension and unerring generosity, knows no distinction among the poor. It cares for and shelters them all alike.

I take great pleasure in saying that the poor in our Almshouse have been kindly and faithfully cared for during the past year. Kindness and diligent attention to the needs of all have at all times marked the conduct of the Superintendent and Matron in their treatment of the inmates. The whole number of inmates on the first day of January, 1874, was 62; the number received during the year, 65; making the whole number for the year, 127. There have been discharged, 43; leaving on December 31, 1874, 84. The amount received from cash sales from the farm for the year is \$3,580.91. The value of the produce of the farm invested, exclusive of that used in the family before harvesting, is \$5,678.04. This exceeds the value of the crops for 1873 by \$868.12. The number of deaths in the Almshouse for the year is 3; the number of the insane at the present time, 18.

WORKHOUSE.

In 1872, in connection with the Almshouse there was established, by virtue of a law of that year, a Workhouse for the reception of criminals convicted of drunkenness and the lighter offences. By committing this class of offenders, who have a settlement here, to this institution, our city secures from them work on the farm, and saves the payment of board in the House of Correction. On the first of

January, 1874, there were in the Workhouse, 11; there have been committed during the year, 61; making the whole number for the year, 72. The number discharged is 58, leaving at the present time 14 inmates.

REFORM SCHOOL.

The Reform School for children connected with the Almshouse has, as heretofore, been under the charge of Mr. Lang. The same wisdom and faithfulness have marked his treatment of the children in the school as heretofore. The excellent character and management of this school have attracted the attention of other cities and towns, and for several years we have received into the school boys from abroad, the places from which they come paying our city the expense of their support. The number of inmates January 1, 1874, was 41; the number admitted during the year, 49; the number discharged, 54; the number now remaining, 36. Of those admitted, 45 were boys and 4 were girls. Of those admitted during the year, 39 belonged in Lowell and 6 in Chelsea. There has no death occurred among the children, and the health has been good.

The whole number in the three departments at the present time is 134.

The appropriation for paupers was \$30,714.35; the amount expended, \$25,429; leaving a balance of \$5,285.35

OUT-DOOR RELIEF.

In addition to the expenditures for the Almshouse, we annually expend a considerable sum for the relief of poor persons in different parts of the city, outside. The amount distributed last year for this purpose was \$2,414, of which sum \$1,362 was furnished to persons having a settlement in Lowell, and \$1,052 to those having no settlement here. It is doubtless a wise charity to furnish relief in many cases to persons, without requiring them to enter the Almshouse. In this way their wants are relieved, and their desire not to become members of the poor-house is gratified, while at the same time the city is relieved from the burden of their entire support.

POLICE.

Our present police organization consists of a day and night force. The day force comprises a Marshal, Deputy Marshal, seven patrolmen, three men at the Marshal's office for special service, and one man detailed as officer of the Police Court. The night force comprises a Captain; two men detailed as keepers for the Police Station, and twenty-seven patrolmen. In addition to these, there are nineteen supernumeraries, including six "Sunday men," who perform duty in the absence of the regular force.

In view of the increased territory of our city, and the large extent of some of the "beats" covered by the officers, necessitating the travel of more than a mile in some instances, I would respectfully recommend that you early consider the propriety of increasing both the night and day force.

There have been during the last year, 3,054 arrests and 1,315 prosecutions, resulting in 1,280 convictions. In addition to the above, 3,655 persons, have been furnished with lodgings and food at the Station House. The amount of stolen money and other property recovered and restored to the owners was \$3,199.68, being more than fifty per cent. of the amount reported stolen. There have been paid into the treasury, for extra services of police during the year, \$1,170.78.

I take great pleasure in saying that our police force, meagre though it is in comparison with our population, is well organized and disciplined, managed by faithful and competent officers, and is acceptably performing its duties. As the chief executive officer of the city, I would most earnestly impress upon you the importance of maintaining the purity, discipline and efficiency of the police.

The appropriations were \$65,598.41; the expenditures, \$52,316.38; leaving a balance of \$13,283.03.

WATER.

The water works during the entire year have been in good condition. The number of water takers has steadily increased, requiring a corresponding extension of pipe. Upon application by the corporations, pipe has been laid along the whole extent of their mills upon the line of the Merrimack river, as a greater security against fire and for domestic use in the boarding houses. The pipe laid is twenty-inch pipe, and the entire expense is little less than fifty thousand dollars. The number of service pipes is now 3,250, and the number of takers about 7,000. The amount received for water into the city treasury was about \$69,000. This amount, it is believed, will be considerably increased another year.

The water works, so far as the original construction is concerned, may now be considered fairly completed. As the applicants increase there must annually be an extension of pipe to supply them, until the conveniences and advantages of the water are enjoyed by all.

It is believed that the income from water tax in five years from its introduction will pay the entire interest of the cost, and eventually afford a sum for the reduction of the principal.

The amount expended on account of water works last year is \$233,370.63, and the entire cost of the introduction of water up to the present time is \$1,863,005.56. And the water debt now is \$1,750,000. The City Council of last year were of the opinion that this debt should not be increased, and passed a resolution closing the construction account on the first day of December last. Hereafter, the expense of new works, or of extension of pipe, as well as the annual cost of managing and running the works, with the interest of the water debt, must be met, each year, by proper appropriations, as other city expenditures are met. I commend to your consideration, that wise economy requires our debt should not accumulate. The whole annual expenditures on account of water, including the interest of the original cost, over and above the income from that source, together with all other city expenditures, can annually be met by taxation, at a rate not burdensome to our people. The annual expense of running the water works, will, it is believed, not exceed \$25,000; the interest on the entire water debt will not exceed \$110,000; making in the whole not over \$135,000. To meet this it is hoped that, another year, we shall receive from water tax \$80,000, leaving only \$55,000 to be met by taxation. A member of the water board will hereafter, by an ordinance just passed, be a member of the committee on appropriations. In each of

the past two years \$25,000 has been applied to a sinking fund for the reduction and final extinction of the water debt. I recommend that the same amount be appropriated and applied to the same purpose this year. By stopping the increase of the debt, and by the annual increase of this fund, we are rapidly preparing the means for the entire extinction of the water debt.

PUBLIC HEALTH.

We have great reason to congratulate ourselves that the health of our city for the past year has been so good. No pestilence or prevailing disease has visited us. Sanitary measures, similar to those of the previous year, have been taken. A horse and cart, with two men, have daily been employed during the season to remove all filth and garbage from all streets, lanes, alleys and yards. The introduction of water, the increased facilities for drainage, public free bathing places, and the measures above named have all contributed to preserve the health of our people. I recommend to you the adoption of similar measures, and that public bathing houses, properly guarded, be provided for all sections of the city. The number of bathers this year is estimated at about 30,000. I call your attention to the able report of the committee upon the subject of public bathing houses.

The appropriation on account of health was \$3,036.53; the expenditures, \$1,954.99; balance, \$1,081.54.

COMMONS.

Gaslights have been placed upon the North and South commons and upon Park Garden for the first time, this year. In other respects our commons and parks have been greatly improved. It would be well if circuses and similar exhibitions could be entirely removed from our commons. They are not suitable for such purposes, and their beauty and comfort is much marred thereby. I recommend to you to provide for such shows some other more appropriate place. Our commons should be beautified and adorned with walks, trees and fountains, and be kept so neat, clean, quiet and attractive as to be the favorite places of resort for all our people. I call your attention to the report of the Committee on Commons and to the suggestions contained therein, which meet my hearty approval.

The appropriation was \$10,282.66; expenditures, \$6,051.84; balance, \$4,230.84.

FINANCIAL STATEMENT.

The whole amount of expenditures for the year ending Dec.

31, 1874, was	\$1,176,699 55
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The whole amount of receipts for the same time was	1,508,765 65
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The balance in the Treasury January, 1874, was	\$ 134,972 85
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The whole amount received into the Treasury in 1874, was	1,373,792 80
Making a total of	<u>\$1,508,765 65</u>
The amount actually paid from the Treasury for all purposes, for the year ending Dec. 31, 1874, was	1,160,423 00
Leaving a balance of	<u>\$ 348,342 65</u>
There remains the amount of the unpaid draft of December, 1874, amounting to	66,719 92
Making the actual balance in the Treasury January 1, 1875,	<u>\$ 281,622 73</u>
The amount of city debt December 31, 1874,	\$1,937,500 00
There has been paid during the year on two notes to the Boston Five Cents Savings Bank, which became due August 9 and August 13, 1874, each for	\$ 50,000 00
	<u>100,000 00</u>
	<u>\$1,837,500 00</u>
There has been negotiated during the year with the Lowell Institution for Savings, a loan of \$100,- 000.00 on account of city debt	\$100,000 00
There has been negotiated during the year with the City Institution for Savings, a loan of \$50,000.00 on account of Water Works,	50,000 00
There has been negotiated during the year with the Lowell Institution for Savings, a loan of \$100,- 000.00 on account of Water Works,	100,000 00
There has been negotiated during the year with Edward Ordway, trustee, a loan of \$1,500.00 on account of the annexation of a portion of Chelmsford to the City of Lowell,	1,500 00
There has been negotiated during the year with the Lowell Five Cent Savings Bank, a loan of 25,000.00 on account of the annexation of a portion of Dracut to the City of Lowell,	25,000 00
There has been sold during the year \$175,000.00 of the Lowell Water Loan Bonds,	175,000 00
	<u>\$ 451,500 00</u>

Total amount of the city debt, December 31, 1874, is	2,289,000 00
Of the above amount, \$539,000.00 belongs to the ordinary city debt,	539,000 00
There has been sold of Water Loan Bonds the amount of \$1,- 300,000.00, and negotiated on notes of the city for the con- struction of the Water Works \$450,000.00, making a total amount of city debt on account of the Water Works, of	1,750,000 00
	<hr/>
	\$2,289,000 00
There becomes due November 1, 1875, to the City Institution for Savings,	10,500 00
There has been \$25,000.00 appropriated and assessed in 1874, on account of the sinking fund for the reduction of the Water Loan Debt.	

It will be seen from the foregoing financial statement that we commenced the year with a cash balance in the Treasury of \$134,972.85; that there is a balance for the commencement of this year, after deducting the January draft, of \$281,622.73; that the entire amount of the city debt at the present time is \$2,289,000; that of this debt \$539,000 belong to the ordinary city debt, and the balance, \$1,750,000, is on account of water.

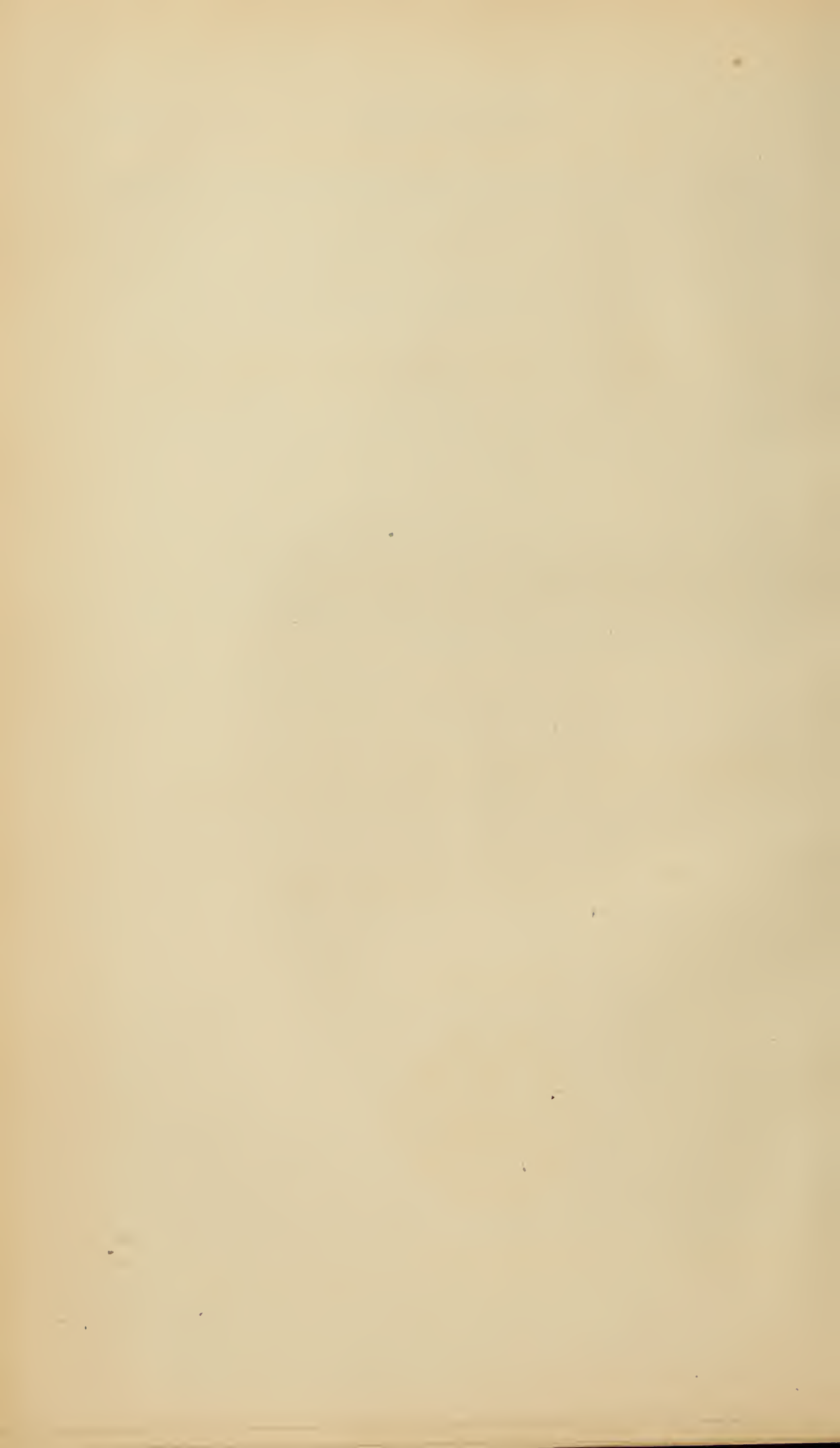
CLOSING REMARKS.

By the provisions of law, a new division of the city into wards may be made this year. Of this there is great need. There is now a great and inconvenient inequality in the wards, in extent of territory, population and voters. Under our present charter, while we can re-divide the city into wards we cannot increase the number of them. I com-

mend to your consideration the propriety of obtaining such a change in the city charter as will enable us to make eight instead of six wards. Then the number of wards will correspond with the number of Aldermen.

Gentlemen: I have called your attention to those matters demanding your attention which are the most prominent. Others will arise from time to time during the year, which I shall not fail to bring before you. You are not, however, confined to my suggestions and recommendations. Each of you has the liberty, and is entrusted with the duty, to present such subjects for the action of the government as seems to him important. You represent different wards, different sections of the city, different constituents and interests, in order that the entire interests of the city and our people may be cared for; and that no one interest or portion of the city may be favored at the expense of another. Consider carefully this diversity of interests, aim at the good of the whole. Let there be always a full, fair and unimpassioned discussion and investigation of every subject that comes up for your consideration. Coolness, deliberation, a firm adherence to right, accompanied with a readiness to yield personal preferences, and a respectful consideration of the views of others, should mark all our actions, and will generally bring us to safe and wise results. Personally, I have no schemes or purposes to accomplish, ex-

cept such as shall meet with your approbation and receive your cordial support. As in the past, so in the future, I desire only to serve the city which has thrice elected me to this office, faithfully and honestly and according to the best of my ability and judgment. In this endeavor I shall fail without your forbearance, coöperation and support. Upon these I feel confident that I may securely rely at all times. Working together in harmony and good feeling, as I trust we shall, let us so execute the trusts imposed upon us that we may ever in the future look back with satisfaction and pride upon our year's work, and be sustained by the merited approval of our fellow citizens.



MUNICIPAL REGISTER:

CONTAINING

RULES AND ORDERS

OF THE

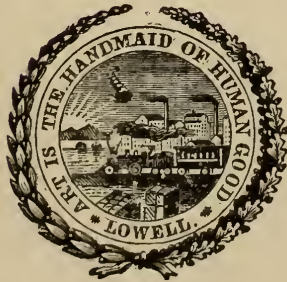
CITY COUNCIL,

AND A

LIST OF THE GOVERNMENT AND OFFICERS

OF THE CITY OF LOWELL, FOR

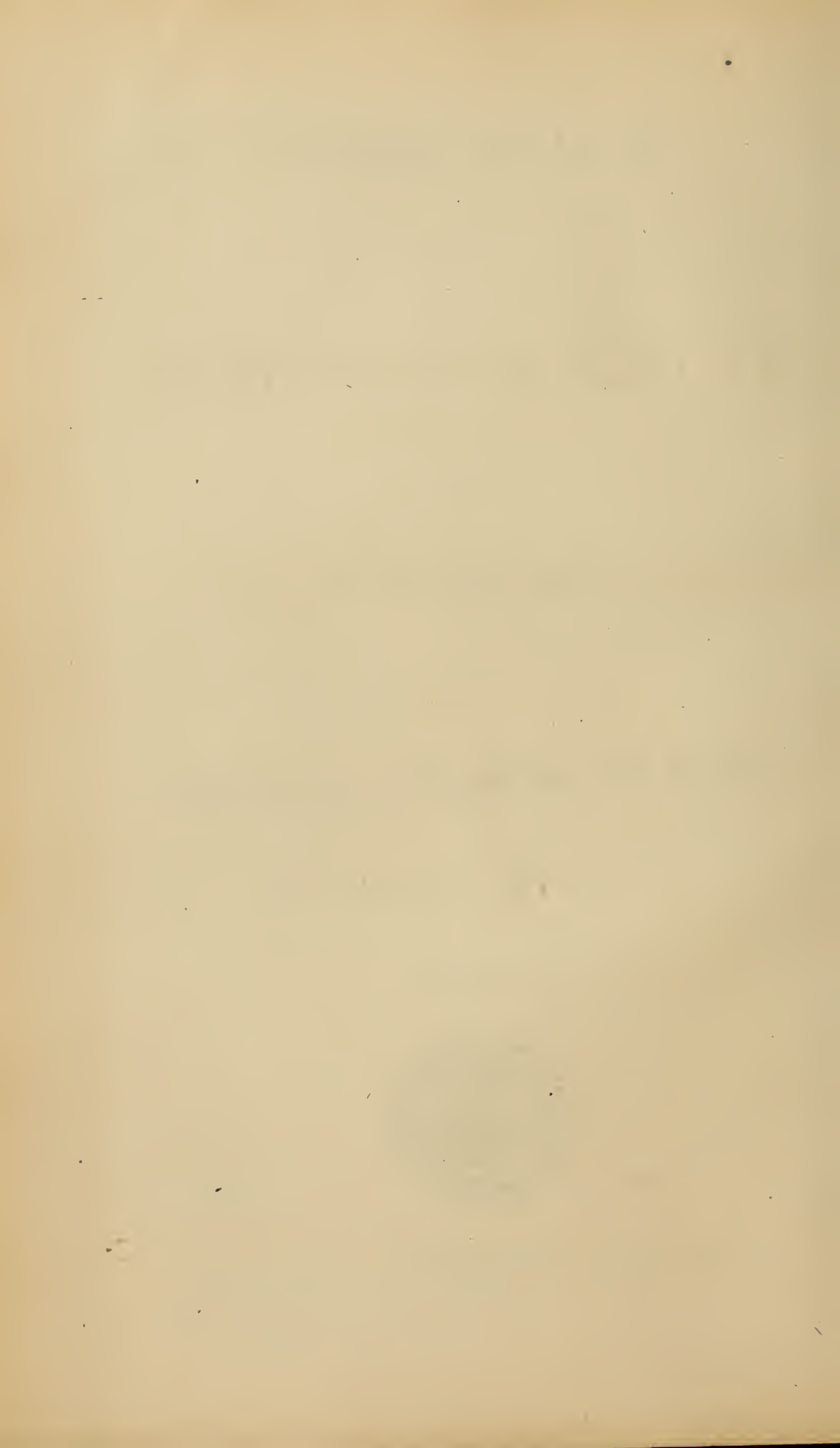
1875.



LOWELL, MASS.:

STONE, HUSE & CO., BOOK AND JOB PRINTERS, No. 130 CENTRAL STREET.

1875.



JOINT RULES AND ORDERS OF THE CITY COUNCIL.

1. At the first or second meeting of the City Council, the following Joint Standing Committees shall be appointed, viz:

A COMMITTEE ON ACCOUNTS,
A COMMITTEE ON CLAIMS,
A COMMITTEE ON COMMONS,
A COMMITTEE ON FINANCE,
A COMMITTEE ON FIRE DEPARTMENT,
A COMMITTEE ON LANDS AND BUILDINGS,
A COMMITTEE ON MILITARY AFFAIRS,
A COMMITTEE ON PRINTING,
A COMMITTEE ON PUBLIC INSTRUCTION,
A COMMITTEE ON SEWERS AND DRAINS,
A COMMITTEE ON STREETS.

And the members of the Board of Aldermen, and of the Common Council, who shall constitute the Joint Standing Committees, shall be chosen or appointed by their respective Boards. Each of said Committees shall consist of two Aldermen and three members of the Common Council, except the Committee on Military Affairs, which shall be composed of the Mayor, two Aldermen and six members of the Common Council—one from each ward—and the Committee on Streets, which shall be composed of the Mayor, two Aldermen and five members of the Common Council.

2. All by-laws passed by the City Council shall be termed Ordinances; and the enacting style, which shall be but once recited in each Ordinance, shall be “Be it ordained by the City Council of the City of Lowell, as follows.”

3. In all votes in which either or both branches of the City Council express anything by way of *command*, the form of expression shall be "Ordered" (except only in the case of Ordinances); and whenever either branch or both branches express *opinions, principles, facts or purposes*, the form of expression shall be "Resolved." Provided, however, that the appropriation of money to any amount exceeding fifty dollars shall be by Resolution.

4. Each Board shall transmit to the other all papers on which any Ordinance, Joint Resolution or Order shall be founded; and all papers on their passage between the two Boards, shall be under the signature of their respective Clerks, except Ordinances and Joint Resolutions in their last stage, which shall be signed by the presiding officers.

5. The titles to all Ordinances and Joint Resolutions shall be prefixed upon their introduction.

6. Every Ordinance shall have as many readings in each Board as the rules of such Board require, after which the question shall be on passing the same to be enrolled; and when the same shall have passed to be enrolled, it shall be sent to the other Board for concurrence; and when such ordinance shall have so passed to be enrolled by each Board, the same shall be enrolled by the Clerk of the Common Council, and examined by a Committee of that Board; and, on being found by said Committee to be correctly enrolled, the same shall be reported to the Common Council, when the question shall be on passing the same to be ordained; and when said Ordinance shall have so passed to be ordained, it shall be signed by the President of the Common Council, and sent to the other Board, when a like examination shall be made by a Committee of that Board; and if found correctly enrolled, the same shall be reported to the Board, and the question shall be on passing the same to be ordained; and when the same shall have passed to be ordained, it shall be signed by the Mayor.

7. Every Joint Resolution shall have as many readings in each Board as the rules of such Board require; after which the question shall be on passing the same; and when the same shall have passed, it shall be sent to the other Board for concurrence; and when such Resolution shall have so passed in each Board, the same shall be enrolled by the Clerk of the Common Council, and examined by a Committee of that Board; and on being found by said Committee to be correctly enrolled, without further reading or question, shall be signed by the President of the Common Council, and sent to the

other Board, when a like examination shall be made by a Committee, and if found to be correctly enrolled, shall be signed by the Mayor.

8. All enrolled Ordinances shall be written in a fair and compact hand, without interlineations; and no enrolled Ordinance or Resolution shall be amended.

9. When either Board shall not concur with the other in any Ordinance or Resolution sent from such other, notice of such non concurrence shall be given by written message.

10. In every case of disagreement in any matter requiring the joint action of the two Boards, if either Board shall request a conference, and appoint a Committee of Conference, and the other Board shall also appoint a Committee to confer, such Committee shall consist of three members of each Board, who voted with the majority thereof, shall meet at a time agreed upon by the Chairman, and state to each other, either verbally or in writing, as either shall choose, the reasons of the respective Boards for or against the proposed action, confer freely thereon, and report to their respective branches.

11. All messages between the two Boards shall be reduced to writing by the respective Clerks, and may be transmitted by the Messenger.

12. It shall be the duty of every Joint Committee (the Committee on Streets excepted) to whom any subject may be specially referred, to report thereon within five weeks, or ask for further time.

13. The Mayor shall be, *ex-officio*, Chairman of any Joint Special Committee of which he is a member.

14. In all Joint Standing Committees, except that on Finance, the member first named in the Board of Aldermen shall be Chairman; of the Committee on Finance, the member first named in the Common Council shall be Chairman; and in all Joint Special Committees of which the Mayor is not a member, the member first named in the Board where the business originates, shall be Chairman, and shall call the Committee together.

15. The reports of all Committees signed by a majority of the members, shall be made to the Board in which the business referred originated.

16. No Committee shall act by separate consultation, and no report shall be received unless agreed to in Committee actually assembled.

17. No Committee shall enter into any contract with, or purchase, or authorize the purchase of, any article, of any of its members.

18. No Chairman of any Committee shall audit or approve any bill or account against the City, for any supplies or services which shall not have been ordered or authorized by the Committee.

19. All reports and other papers submitted to the City Council shall be written in a fair hand, without endorsement, except in case of the introduction of an Order. In such case the member introducing an Order shall subscribe his name at the bottom of the back of the Order. All other endorsements upon the back of papers shall be made by the Clerks, and the Clerks of the Boards respectively shall, on seasonable notice, make copies of any papers to be reported by Committees, at the request of the respective Chairmen thereof.

20. No business shall be transacted by the City Council in Convention, except such as shall have been previously agreed on, unless by unanimous consent.

21. After the annual appropriations shall have been passed, no subsequent expenditure shall be authorized for any object, unless provision for the same shall be made by a specific transfer from some of the appropriations contained in the annual resolution, or by expressly creating therefor a City debt; but no such debt shall be created unless the resolution authorizing the same pass by the affirmative votes of two-thirds of the whole number of each branch of the City Council, said votes to be taken by yeas and nays.*

22. In balloting for officers of the City, in Convention of the two Boards, blanks shall not be counted.

23. Either Board may propose to the other for its concurrence a time to which both Boards will adjourn; and neither shall adjourn without giving notice to the other Board through the Messenger or otherwise.

* Chapter 165 of the Acts of 1861, relating to appropriations for the providing of Armories for the use of military companies, for the celebration of holidays, and for other purposes of a public nature, requires a vote of two-thirds of the members of each branch of the City Council present and voting by yea and nay vote, and limits the amount in any one year to one-fiftieth of one per cent. of the valuation.

RULES AND ORDERS OF THE BOARD OF ALDERMEN.

First—The order of business shall be as follows :

1. The journal of the previous meeting shall be read.
2. Petitions shall next be called for, and be disposed of by reference or otherwise.
3. Such nominations, appointments and elections, as may be in order, shall be considered and disposed of.
4. The orders of the day shall be taken up ; meaning by the orders of the day, the business remaining unfinished at the previous meeting, and such communications as may have been subsequently sent up from the Common Council.
5. New business may be introduced by any member of the Board.

Second—Every Bill or Ordinance shall pass through the following stages before it shall be considered as having received the final action of this Board, viz :—first reading, second reading, passage to be enrolled, passage to be ordained ; and every Joint Resolution shall have two several readings before the question shall be taken on its final passage.

Third—A Bill or Ordinance may be rejected at either stage in its progress, but may not pass through all its stages in one day.

Fourth—Standing Committees shall be appointed as follows :

- A COMMITTEE ON BILLS IN SECOND READING,
- A COMMITTEE ON ENROLLMENT,
- A COMMITTEE ON LICENSES,
- A COMMITTEE ON LIGHTING STREETS,
- A COMMITTEE ON POLICE AND POLICE STATIONS,

A COMMITTEE ON REPAIRS OF STREETS,
A COMMITTEE ON SETTING TREES,
A COMMITTEE ON WEIGHTS AND MEASURES.

Fifth—No member shall be interrupted while speaking, but by a call to order, or for the correction of a mistake; nor shall there be any conversation among the members while a paper is being read, or a question stated from the chair.

Sixth—A motion for the re-consideration of a vote shall be open to debate, but such motion shall not be considered unless made by a member voting with the majority, or unless notice thereof be given at a meeting at which the vote passed, in which case the motion shall be made at the next meeting after; and only one motion for the re-consideration of any vote shall be permitted.

Seventh—When any member is about to speak in debate he shall rise in his place and respectfully address the presiding officer; shall confine himself to the question under debate, and avoid personality.

Eighth—The above rules and order of business shall be observed in all cases, unless suspended by a vote of two-thirds of the members present, for a specific purpose.

RULES AND ORDERS OF THE COMMON COUNCIL.

1. The President shall take the chair precisely at the hour appointed for the meeting; call the members to order, and within ten minutes (or sooner if a quorum be present) he shall cause the roll to be called and the names of the absentees recorded. Before proceeding to business, he shall cause the minutes of the preceding meeting to be read. In the absence of the President, the oldest member present shall call the Council to order, and preside until a President *pro tempore* be chosen.

2. He shall preserve order and decorum; may speak to points of order in preference to other members, rising from his seat for that purpose, and shall decide questions of order, subject to an appeal to the Council by any member.

3. He shall rise to address the Council, to state facts, or to put a question, but may read sitting.

4. He shall declare all votes; but if a vote be doubted, the President shall, without further debate, require the members voting in the affirmative and negative to rise and stand until they are counted, and he shall declare the result.

5. He may call any member to the chair, but such substitution shall not extend beyond an adjournment; and when out of the chair the President may express his opinion on any subject under debate, and he shall not resume the chair while the same question is pending.

6. All questions shall be propounded in the order in which they are moved, unless the subsequent motion be previous in its nature; except that in naming sums and fixing times, the largest sum and the longest time shall be first put.

7. After a motion is stated by the President, it shall be disposed of by a vote of the Council, unless the mover withdraw it before a decision or amendment.

8. A motion to adjourn shall always be in order ; that and the motion to lay on the table, shall be decided without debate.

9. The previous question shall be in this form : " Shall the main question be now put ? " It shall only be admitted when demanded by a majority of the members present ; and, until it is decided, shall preclude all amendment and further debate of the main question.

10. The yeas and nays shall be taken on any question upon the request of one-third of the members present.

11. When two or more members happen to rise at the same time, the President shall name the member who shall speak first.

12. When any member is about to speak in debate, or deliver any matter to the Council, he shall rise in his place and respectfully address the presiding officer, confining himself to the question under debate, and avoiding personality.

13. No member shall be mentioned in debate by his name, but may be described by the place he sits in, or such other designation as may be intelligible and respectful.

14. No member speaking shall be interrupted by another, but by a call to order or to correct a mistake. If any member in speaking or otherwise, transgress the rules of the Council, the President shall, or any member may call him to order ; in which case the member so called to order shall immediately sit down, until the question of order is decided. If the decision be in favor of the member called to order, he shall be at liberty to proceed ; if otherwise, he shall not proceed without leave of the Council.

15. No member shall speak more than twice to the same question, without obtaining leave of the Council.

16. Whilst the President or any other member is speaking, none shall stand up or pass unnecessarily before the person speaking.

17. Every motion shall be reduced to writing, if the President or any member require it.

18. When a question is under debate, no motion shall be received but to adjourn, to lay on the table, for the previous question, to postpone to a certain day, to commit, to amend, or to postpone indefinitely ; which several motions shall have precedence in the order in which they are arranged ; and no motion to postpone or commit shall be allowed twice in the same day, in the same stage of the ordinance or proposition.

19. A motion for the re-consideration of a vote shall be open to debate, but such motion shall not be considered unless made by a

member voting with the majority, or unless notice thereof be given at the meeting at which the vote passed, in which case the motion shall be made at the next meeting after; and only one motion for the re-consideration of any vote shall be permitted.

20. Every member who shall be in the Council when a question is put shall give his vote unless the Council, for special reasons, excuse him.

21. No motion or proposition on a subject different from that under consideration shall be admitted under color of an amendment.

22. All motions and reports may be committed or re-committed at the pleasure of the Council.

23. The division of a question may be called for when the sense will admit of it.

24. When the reading of a paper is called for and objected to, it shall be determined by a vote of the Council.

25. No standing order of the Council shall be suspended, unless three-fourths of the members present consent thereto; nor shall any rule or order be repealed or amended, without one day's notice being given of the motion therefor, nor unless a majority of the whole Council concur therein.

26. All Committees, except such as the Council determine to select by ballot, shall be nominated by the President.

27. No member shall be obliged to serve on more than two Committees at the same time, or be Chairman of more than one.

28. All memorials and other papers addressed to the Council, shall be presented to the President, or by a member in his place, who shall explain the subject thereof, and they shall be taken up in the order in which they were presented, unless the Council shall otherwise direct.

29. Standing Committees shall be appointed on the following subjects:

ON BILLS IN SECOND READING,
ON ENROLLMENT,
ON ELECTIONS AND RETURNS.

30. No Committee shall sit during the sitting of the Council, without special leave, except the Committee on the Second Reading of Bills and Ordinances, and the Committee on Enrollment.

31. The Rules of proceeding in the Council shall be observed in the Committee of the Whole, so far as they are applicable, except the Rule limiting the time of speaking.

32. When a Committee is nominated by the Chair, the person first named shall be Chairman. In election of Committees by ballot when a Chairman is not specially chosen, the person having the highest number of votes shall act as Chairman, and, in case of an equality in votes between two or more members of a Committee, the members thereof shall choose a Chairman.

33. All Ordinances and Resolutions shall have two several readings before they shall be finally passed by this Council.

34. All Ordinances before being read a second time, shall be referred to the Committee on the Second Reading of Bills and Ordinances, and after being reported upon by said Committee, shall be again read, after which second reading, the question shall be on passing the same to be enrolled.

35. No Ordinance or Resolution imposing penalties or authorizing the expenditure of money, shall have more than one reading the same day.

36. The seats of the Common Council shall be numbered and determined by lot, and no member shall change his seat but by permission of the President.

37. All Committees of the Council shall consist of three members, unless a different number be specially ordered. And no report shall be received from any Committee, unless agreed to in Committee actually assembled; and all reports shall be in writing.

38. It shall be the duty of every Committee of the Council, to whom any subject may be specially referred, to report thereon within five weeks, or ask for further time.

39. The Clerk shall keep brief minutes of the votes and proceedings of the Council, entering thereon all accepted Resolutions; shall notice reports and memorials, and other papers submitted to the Board, only by their titles, or a brief description of their purport.

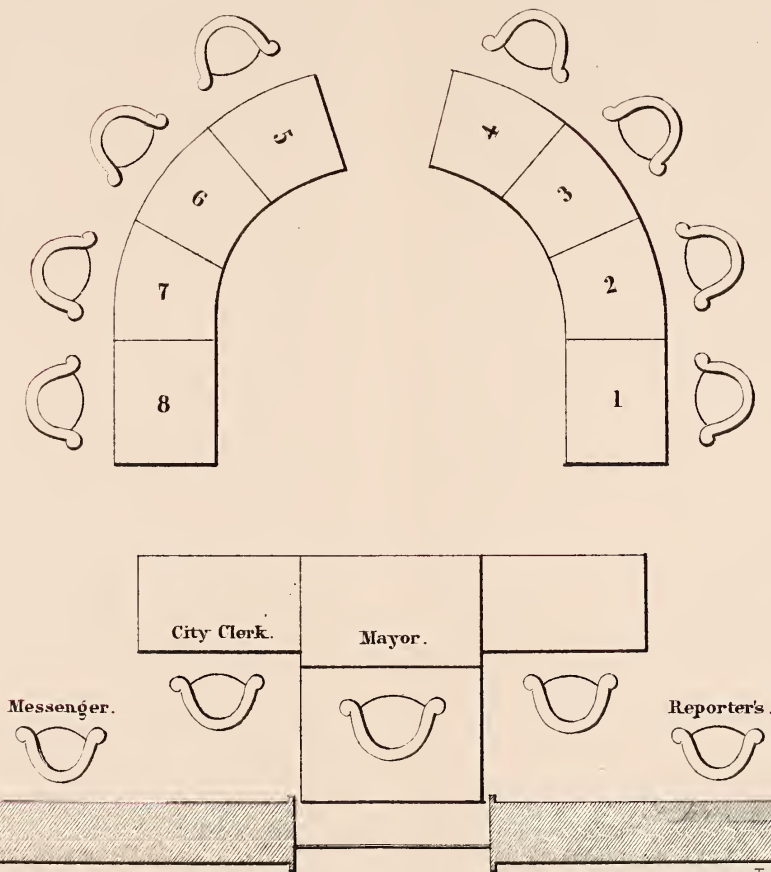
40. All salary officers shall be chosen by written ballots, and blanks shall not be counted.

41. Members of the Council may attend meetings of any of its Committees, but shall not vote thereat.

42. The Clerk of the Common Council shall keep the record of Committees who may require that service; and on the appointment of every Standing Committee a book for records shall be provided by its Chairman, or by said Clerk. The Clerk shall have the custody of all minutes by him kept; and the records of the several Committees shall be open to the inspection of the members of the City Council.

PLAN OF MAYOR and ALDERMEN'S ROOM

LOWELL, MASS.



L. Prang & Co. Lith. Boston.

FRANCIS JEWETT,

Mayor.

- 1—BENJ. WALKER,
- 2—JACOB ROGERS,
- 3—SAMUEL A. CHASE,
- 4—ALDEN B. RICHARDSON,

- 5—HAPGOOD WRIGHT,
- 6—JAMES OWENS,
- 7—JOSEPH S. BROWN,
- 8—JOHN A. GOODWIN.

SAMUEL A. McPHETRES, *City Clerk.*

JOHN H. NICHOLS, *Messenger.*

GOVERNMENT OF THE CITY OF
LOWELL, 1875.

MAYOR:

FRANCIS JEWETT,

Middlesex Street.

ALDERMEN:

BENJ. WALKER,	40	Appleton Street.
JACOB ROGERS,	99	Pawtucket Street.
JOHN A. GOODWIN,	75	Chestnut Street.
JOSEPH S. BROWN,	33	Myrtle Street.
HAPGOOD WRIGHT,	26	Lawrence Street.
JAMES OWENS,	45	Walnut Street.
ALDEN B. RICHARDSON,	93	Summer Street.
SAMUEL A. CHASE,	62	Bartlett Street.

COMMON COUNCIL.

ALBERT A. HAGGETT, PRESIDENT.

Ward One.

CHARLES A. WELCH,.....70 Merrimack Corporation.
 CHARLES H. HARVEY,.....124 Worthen Street.
 JOHN F. HOWARD,.....11 Lowell Machine Shop.
 JOHN W. WELCH,.....Tremont House.

Ward Two.

EARL A. THISSELL,.....125 Bridge Street.
 EDWARD E. REED,.....74 Boott Corporation.
 WILLIAM A. READ,.....74 First Street.
 LEAVITT R. J. VARNUM,.....Cor. Bridge and Sixth Streets.

Ward Three.

ALBERT A. HAGGETT,.....28 Hurd Street.
 GEORGE W. TILTON,.....57 Walnut Street.
 CHARLES COWLEY,Lawrence Street.
 THOMAS R. GARITY,.....312 Central Street.

Ward Four.

JOSIAH BUTLER,.....31 Lane Street.
 FRANCIS CARLL,.....107 Westford Street.
 EDWARD P. DENNIS,.....130 Appleton Street.
 EDWARD STOCKMAN,.....572 Middlesex Street.

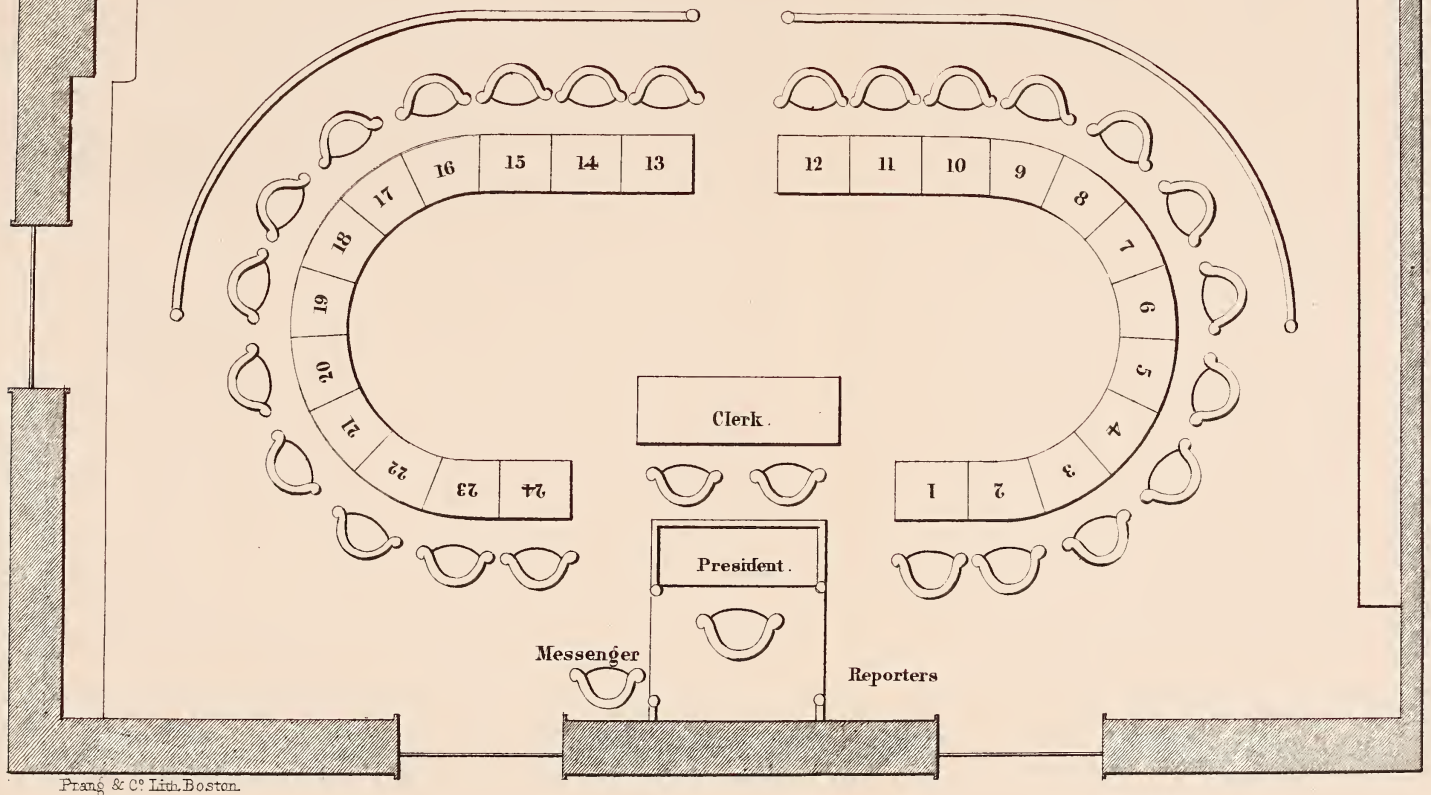
Ward Five.

JAMES D. HARTWELL,.....137 Moody Street.
 JOHN B. LYFORD,.....Cor. Fletcher and Dane Streets.
 ORFORD R. BLOOD,.....Elm Street, "Pawtucketville."
 CHARLES W. SLEEPER,.....345 Broadway.

Ward Six.

JOEL A. ABBOTT,.....84 High Street.
 THOMAS CAROLIN,.....97 East Merrimack Street.
 JASON FULLER,.....10 Nesmith Street.
 ALBERT D. WRIGHT,.....77 Nesmith Street.

PLAN OF COMMON COUNCIL ROOM LOWELL, MASS.



Prang & Co. Lith. Boston.

ALBERT A. HAGGETT,
President.

1—CHARLES A. WELCH,
2—JAMES D. HARTWELL,
3—EDWARD E. REED,
4—JOHN B. LYFORD,
5—WILLIAM A. READ,
6—GEORGE W. TILTON,

7—EARL A. THISSELL,
8—CHARLES W. SLEEPER,
9—EDWARD P. DENNIS,
10—ALBERT D. WRIGHT,
11—FRANCIS CARL,
12—JOSIAH BUTLER,

13—EDWARD STOCKMAN,
14—LEAVITT R. J. VARNUM,
15—JOEL A. ABBOTT,
16—JASON FULLER,
17—ORFORD R. BLOOD,
18—THOMAS R. GARITY,

19—CHARLES H. HARVEY,
20—JOHN F. HOWARD,
21—JOHN W. WELCH,
22—CHARLES COWLEY,
23—THOMAS CAROLIN.
24—

DAVID CHASE, *Clerk.*

JOHN H. NICHOLS, *Messenger.*

CITY CLERK.

SAMUEL A. MCPHETRES,.....School, corner Bowers Street.

Chosen in Convention of the City Council, on the first Monday in January, City Charter, § 4.
An Assistant City Clerk may be appointed by the Mayor and Aldermen, whenever the City Clerk desires it. See Ordinance passed June 11, 1873.

CLERK OF COMMON COUNCIL.

DAVID CHASE,.....15 Fourth Street.

Chosen on the first Monday in January. City Charter, § 5.

MESSENGER TO THE CITY COUNCIL.

JOHN H. NICHOLS,.....Cor. Bridge and Jewett Streets.

Chosen by concurrent vote in January. See Ordinance in this Register.

MEETINGS OF THE CITY COUNCIL.

The regular Meetings of the City Council are held at the City Government Rooms, on the Second and Fourth Tuesday of each month, at 7½ o'clock in the evening, as follows:

January.....12th and 26th,	July.....13th and 27th,
February.....9th and 23rd,	September.....14th and 28th,
March.....9th and 23rd,	October.....12th and 26th,
April....13th and 27th,	November.....9th and 23rd,
May.....11th and 25th,	December.....14th and 28th.
June.....8th and 22nd,	

COMMITTEES OF THE CITY GOVERNMENT.

JOINT STANDING COMMITTEES.

- ON ACCOUNTS.—Aldermen Brown and Rogers ; Messrs. Stockman, Sleeper, and Wright.
- ON BOARD OF HEALTH.—The Mayor, Alderman Goodwin ; Messrs. C. A. Welch, Carll, and Lyford.
- ON CLAIMS.—Aldermen Wright and Walker ; Messrs. Abbott, E. E. Reed, and W. A. Read.
- ON COMMONS. — Aldermen Goodwin and Brown ; Messrs. Fuller, Carolin, and Hartwell.
- ON FINANCE.—The Mayor, Messrs. Haggett, Cowley, and E. E. Reed.
- ON FIRE DEPARTMENT.—Aldermen Owens and Richardson ; Messrs. Lyford, J. W. Welch, and Butler.
- ON LANDS AND BUILDINGS.—Aldermen Walker and Rogers ; Messrs. Garity, Stockman, and Dennis.
- ON MILITARY AFFAIRS.—The Mayor, Aldermen Chase and Wright ; Messrs. Tilton, Carolin, Howard, W. A. Read, Carll, and Sleeper.
- ON PRINTING.—Aldermen Rogers and Chase ; Messrs. Harvey, Butler, and Abbott.
- ON PUBLIC INSTRUCTION.—Aldermen Chase and Goodwin ; Messrs. Thissell, Cowley, and Wright.
- ON SEWERS AND DRAINS. — Aldermen Richardson and Brown ; Messrs. E. E. Reed, J. W. Welch, and Hartwell.
- ON STREETS.—The Mayor, Aldermen Owens and Goodwin ; Messrs. Harvey, Varnum, Garity, Butler, and Blood.
-

GEORGE E. EVANS, Clerk to Committee on Streets, and Sewers and Drains.

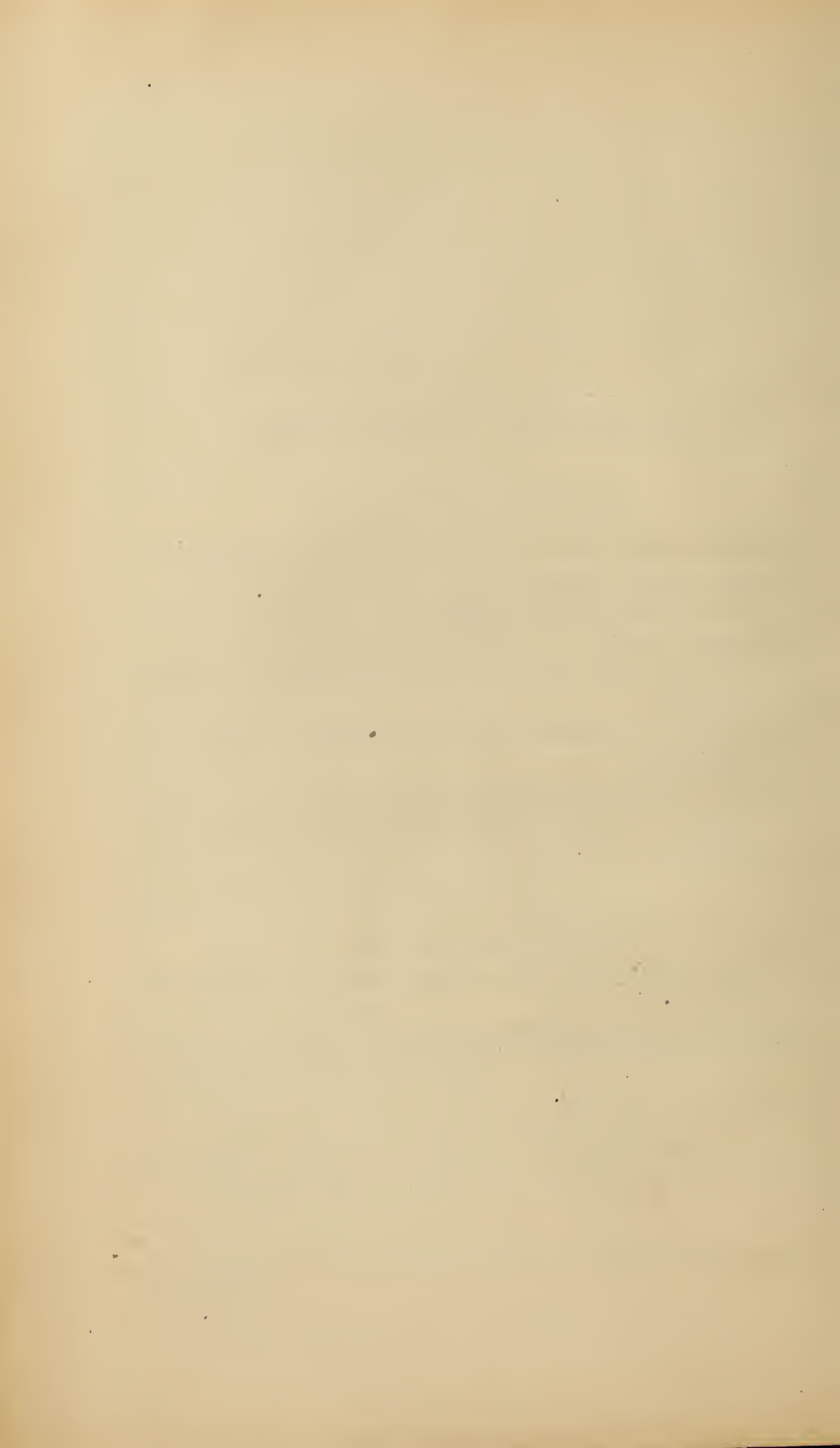
STANDING COMMITTEES.

OF THE BOARD OF ALDERMEN.

- ON BILLS IN SECOND READING.—Aldermen Chase and Owens.
ON ENROLLMENT.—Aldermen Goodwin and Wright.
ON LICENSES.—The Mayor, Aldermen Rogers and Walker.
ON LIGHTING STREETS.—The Mayor, Aldermen Owens and Goodwin.
ON POLICE AND POLICE STATIONS.—The Mayor, Aldermen Walker and Chase.
ON REPAIRS OF STREETS.—The Mayor, Aldermen Owens and Richardson.
ON SETTING TREES.—Aldermen Richardson and Brown.
ON WEIGHTS AND MEASURES.—The Mayor, Aldermen Wright and Rogers.
-

OF THE COMMON COUNCIL.

- ON BILLS IN SECOND READING.—Messrs. Tilton, C. A. Welch, and Blood.
ON ENROLLMENT.—Messrs. Fuller, Howard, and Dennis.
ON ELECTIONS AND RETURNS.—Messrs. Lyford, Cowley, and Carll.



CITY OFFICERS, 1875.

CITY TREASURER AND COLLECTOR OF TAXES.

JOHN H. McALVIN,.....Office, City Hall.

Chosen by the City Council in Convention in January. Ord. pp. 42, 167. Deputy Collectors are selected and appointed by the Treasurer.

AUDITOR OF ACCOUNTS.

DAVID CHASE,.....Office, City Hall.

Chosen by concurrent vote in January or February. Ord. p. 167.

SUPERINTENDENT OF STREETS.

JOHN C. WOODWARD,...Office, at Civil Engineer's Room, City Hall.

Chosen by concurrent vote in January or February. Ord. p. 167.

SURVEYORS OF HIGHWAYS.

FRANCIS JEWETT, Mayor; Alderman JOHN A. GOODWIN; Councilman CHARLES H. HARVEY.

Chosen by concurrent vote in January or February. Ord. p. 167.

CIVIL ENGINEER FOR THE CITY.

GEORGE E. EVANS,.....Office, City Hall.

Chosen by concurrent vote in January or February. Ord. p. 167.

CITY SOLICITOR.

GEORGE F. RICHARDSON,.....Office, 55 Central Street.

Chosen by concurrent vote in January or February. Ord. p. 167.

LIBRARIAN OF THE CITY LIBRARY.

MARSHALL H. CLOUGH, Office at the Library, Masonic Temple.

Chosen by concurrent vote in January or February. Ord. p. 167.

DIRECTORS OF THE CITY LIBRARY.

FRANCIS JEWETT, Mayor, } *Ex*
ALBERT A. HAGGETT, President of the Common Council, } *Officiis.*

Ward 1—HORACE H. KNAPP,	|	Ward 4—NATHAN W. FRYE,
“ 2—DANIEL SHERWOOD,	|	“ 5—GEORGE SMITH,
“ 3—CHARLES F. TILTON,	|	“ 6—JOHN STOTT.

The last six are chosen by concurrent vote in January or February. Ord. p. 133.

SUPERINTENDENT OF PUBLIC BUILDINGS.

LORENZO G. HOWE, Office, City Hall.

Chosen by concurrent vote in January or February. Ord. p. 167.

CITY PHYSICIAN.

HERMON J. SMITH, Office, 9 John Street.

Chosen by concurrent vote in January or February. Ord. p. 167.

SUPERINTENDENT OF BURIALS.

HERMON J. SMITH, Office, 9 John Street.

Chosen by concurrent vote in January or February. Ord. p. 167.

ASSESSORS OF TAXES.

FRANCIS GOWARD,	|	JAMES MARREN,
WILLIAM W. READ,	|	ISAAC A. FLETCHER,
LEVI B. STEVENS.		
FRANCIS GOWARD, <i>Chairman.</i>	|	JAMES MARREN, <i>Secretary.</i>

Assignment of Wards.

Ward 1—JAMES MARREN,	|	Ward 4—FRANCIS GOWARD,
“ 2—WILLIAM W. READ,	|	“ 5—LEVI B. STEVENS,
“ 3—ISAAC A. FLETCHER,	|	“ 6—JAMES MARREN.

Chosen by concurrent vote in January or February. Ord. p. 167.

OVERSEERS OF THE POOR.

FRANCIS JEWETT, Mayor,..... *Ex officio*.

Aldermen :

JAMES OWENS,

JOSEPH S. BROWN.

Common Councilmen :

Ward 1—CHARLES A. WELCH,	Ward 4—EDWARD STOCKMAN,
“ 2—LEAVITT R. J. VARNUM,	“ 5—JOHN B. LYFORD,
“ 3—CHARLES COWLEY,	“ 6—JASON FULLER.

Sub-Committees.

ON FUEL AND OUT-DOOR RELIEF.—The Mayor, Aldermen Owens and Brown.

ON AGRICULTURE, NEAT CATTLE AND SWINE.—Alderman Brown, Councilmen Welch and Varnum.

ON REPAIRS OF BUILDINGS.—Alderman Brown, Councilmen Lyford and Stockman.

ON CLOTHING, BEDDING AND FURNITURE.—Alderman Owens, Councilmen Fuller and Varnum.

ON PROVISIONS AND SUPPLIES.—The Mayor, Alderman Owens, Councilmen Fuller, Stockman, and Cowley.

ON REFORM SCHOOL.—The Mayor, Alderman Brown, Councilmen Cowley, Lyford, and Welch.

FRANCIS JEWETT, *Chairman*. | CHARLES A. WELCH, *Secretary*.

The regular meetings of the Board of Overseers are held at the Almshouse on the last day of each month.

• ALMSHOUSE.

There is now connected with the Almshouse a Workhouse used for the imprisonment of certain convicts, and “The House for the Employment and Reformation of Juvenile Offenders in the City of Lowell.” The Poor Farm embraces about one hundred and twenty-five acres, seventy-five of which are in a high state of cultivation.

LORENZO PHELPS, *Superintendent*.

WILLIAM A. LANG, *Chaplain*.

There is also one Male Assistant, and one Female Assistant. The Superintendent is appointed by the Overseers of the Poor, annually, at the last meeting in December.

MEMBERS OF THE LOWELL WATER BOARD.

* LEVI SPRAGUE, *President*.

From the City Council.

Alderman BENJAMIN WALKER, Councilmen ALBERT A. HAGGETT,
and EARL A. THISSELL.

From the Citizens at Large.

* LEVI SPRAGUE, term expires May, 1875. WILLIAM F. SALMON, term
expires May, 1876.

Superintendent, SAMUEL P. GRIFFIN.

Clerk, FRANK E. FRENCH.

The members of the Lowell Water Board are elected under the provisions of an Ordinance passed July 11, 1872, entitled "An Ordinance providing for the care and management of the Lowell Water Works," which will be found among the Ordinances published in this Register. The Superintendent is elected by the City Council and the Clerk is appointed by the Board.

POLICE DEPARTMENT.

Ord. p. 170. Act of 1867, Chap. 279.

The members of this Department are appointed as Police Officers and Watchmen with all the powers of Constables, except the power of serving and executing civil process, by the Mayor, subject to confirmation or rejection by the Aldermen, and hold their offices during the pleasure of the Mayor and Aldermen. Under the present organization the Police are divided into Day and Night Police. The Day Police are stationed at the Police Office, under the direction and command of the City Marshal; and in addition to their other duties, are required to serve criminal precepts.

City Marshal.

WILLIAM H. CLEMENCE, ..Office, west end of Market House Building.

Chosen by concurrent vote in January or February. Ord. p. 167.

* No election for the year commencing May 3, 1875, had been made when this Register went to press.

Deputy Marshal.

JACOB G. FAVOR, Office, west end of Market House Building.

Appointed by the City Marshal, and approved by Mayor and Aldermen. Ord. p. 171.

Day Police Officers and Watchmen.

WM. H. CLEMENCE,
SQUIRE L. BAILEY,
ALFRED DAY,
WILLIAM P. FARRINGTON,
JACOB G. FAVOR,

HARRISON H. FULLER,
WILLIAM M. LEE,
BENJAMIN G. MOONEY,
THOMAS J. SANBORN,
JAMES E. WEBSTER,

LEVI H. WITHAM.

Night Police Officers and Watchmen.

THEOPHILUS C. BLAISDELL, *Captain of the Night Police.*

ALLEN P. BICKFORD,
ANDREW BLOOD,
LEVI BROWN,
JOHN BUCHANAN,
OTIS BULLARD,
WILLIAM L. CLARK,
CHAS. F. COOPER,
JOHN DOUGHERTY,
ASA F. ESTY,
HENRY FARRINGTON,
AUGUSTUS B. FOSS,
HENRY GARRISON,
DAVID H. GOODHUE,
FRANK GOODWIN,

CHARLES HOWARD,
THOMAS INGALLS,
PATRICK KELLEY,
CHARLES C. LANGLEY,
ALBERT E. LIBBY,
ISAAC L. LIBBY,
JOHN A. MELOY,
FRANK N. MILES,
ALONZO PAGE,
MASON W. PRESBY,
DANIEL H. SINCLAIR,
FRANK T. THISSELL,
JOHN W. TILTON,
LUKE VEO,

STEPHEN L. YOUNG,

Appointed by the Mayor and Aldermen, from time to time. Ord. Sept. 24, 1867.

Supernumerary Police Officers and Watchmen.

WILLIAM H. ADAMS,
STEPHEN BARTLETT,
JOHN CALLAHAN,
DANIEL CRANE,
JAMES CROWLEY,
MOSES DAVENPORT,
MICHAEL F. FLYNN,
JEROME GILBERT,
DANIEL HAYES,
ORISON S. LEWIS,

WILLIAM H. LOVEJOY,
WILLIAM M. LOCKE,
JOHN F. MCCAFFREY,
FRANK MCQUADE,
JOHN H. RING,
DON C. ROBINSON,
JACOB R. SMITH,
HENRY M. THOMPSON,
HERMON N. TILTON,
ALDEN A. USHER,

JOSEPH R. WELCH.

Police Officers and Watchmen not Paid by the City.

Oramel A. Brigham,.....	}	For Boston & Lowell Railroad Company.
Eben Meserve,.....		
Warren D. Foss,.....	"	Appleton Company.
Thomas A. Fletcher,.....	"	Boott Cotton Mills.
Edward Garner,.....	"	Hamilton Manufacturing Company.
Elisha A. Thomas,.....	"	Hamilton and Appleton Companies.
William S. Knapp,	"	Lawrence Manufacturing Company.
Allen Files,	}	" Lowell Manufacturing Company.
Cyrus F. Hill,.....		
Augustus F. Nelson,	}	" Lowell Machine Shop.
Mark C. Whitney,.....		
William M. Mitchell,....		
Alvah F. Hoyt,.....	}	" Massachusetts Cotton Mills.
Cyrus M. Beals,		
Charles F. Capen,.....	"	Middlesex Company.
Otis J. Brown,.....	}	" Tremont and Suffolk Mills.
Thomas Lacroix,.....		
Jacob K. Chase,.....	}	" Tremont and Suffolk Mills, and Lawrence Manufacturing Company.
Edmund Thomas,.....		
Thomas Hogan,.....	}	" Lowell Hosiery Company.
Robert Dawson,.....		
Joseph L. Sargent,.....	"	the several Corporations,
Joseph Field,.....	}	" Freewill Baptist Church,
Benjamin W. Jewett, ...		
Thomas E. Saunders,	"	First Baptist Church.
George W. Fullerton,....	"	Central M. E. Church.
James A. Stackpole,	"	Kirk Street Congregational Church.
Alphonzo Merrill,.....	"	Fifth Street Chapel.
Anson Adams,.....	"	First Spiritualist Society.
Lorenzo Phelps,.....	"	Lowell Almshouse.
John C. Woodward,.....	"	City and City Stables.
Thomas H. Clough,.....	"	U. S. Cartridge Company.
Samuel Beck,	}	" Massachusetts Society for the Pre- vention of Cruelty to Animals.
Horace J. Conant,.....		
Nelson N. Holmes,.....	"	Merchants' Bank.
William W. Rock,	"	Engine House, Lowell Water Works.
James Stackpole,.....	"	Whipple's Mills.
James Stackpole,.....	"	Stackpole Street.
Sidney B. Tompkins,	"	Hanson's Stable, Rock Street.

William M. Jones,.....	}	For Rogers' Farm, Lowell.
Frank C. Kempfield,....		
Henry M. Abbott,.....	"	Coburn Shuttle Company.
Sanford B. Sylvester,.....	"	J. C. Ayer & Co.'s Building.
Alonzo B. Stevens,	"	the Lowell Choral Society.
Warren Fletcher,	"	Huntington Hall Building.
Joel M. Thurston,	"	Davis, Melendy & Sargent's Mills.
Nathaniel M. Lamson,.....	"	Savings Bank Building, Shattuck St.
Joseph O. Allen,	"	Merrimack Print Works.
George H. Richardson,....	"	John Street Congregational Church.
Samuel M. Patterson,.....	"	First Congregational Church.
Asa D. Clark,.....	{	Stevens' Block and Clark's place of business on Cushing Street.
John J. Bancroft,.....		
Daniel D. Frazer,.....	}	Lowell Water Works.
Henry C. Nichols,.....		
Charles L. Davenport,.....	"	Urban Block and vicinity.
Franklin R. Sargent,	"	Agricultural Fair Grounds.
Samuel Sewall,	"	the Locks and Canals Reservoir.
Peter Beck,	"	Framingham & Lowell Railroad.
Willis Gardner,.....	}	Merrimack Manufacturing Company.
Benjamin F. E. Knapp,..		
John Buchanan,.....	"	Sterling Mills.
Augustus F. Whidden,....	"	Bleachery Station, B. & L. Railroad.
James Kennedy,.....	"	First Presbyterian Church.
Neal Cotton,.....	"	A. L. Brooks & Co.'s Mills.
Frank S. Badger,.....	}	Mount Vernon Chapel.
Edward L. Williams,....		
William A. Dunn,.....	}	Boston & Maine Railroad Company.
Edwin Harnden,.....		
Charles E. Cross,.....	"	Witherell's Hall and Building.
John W. Moore,	"	C.W. Saunders & Co.'s Mill, Yard, &c,
Charles Morse,.....	"	St. Paul's M. E. Church.
Charles A. Chute,	"	Young Men's Christian Association.

Constables.

WILLIAM H. CLEMENCE,
JACOB G. FAVOR,
DANIEL G. GREENLEAF,
JAMES HOPKINS,
BICKFORD LANG,
EVERETT W. FRENCH,

BRADFORD MARVEL,
JOHN H. NICHOLS,
DEXTER SYMONDS,
DANIEL G. TAYLOR,
CHARLES J. EASTMAN,
JOSHUA M. HARDY.

Tythingmen.

WILLIAM H. CLEMENCE,
LEVI BROWN,
ALFRED DAY,
AUGUSTUS B. FOSS,
BENJAMIN G. MOONEY,

BICKFORD LANG,
HARRISON H. FULLER,
THOMAS J. SANBORN,
WM. P. FARRINGTON,
JACOB G. FAVOR,

JESSE HUSE.

Ord. p. 167.

HEALTH COMMISSIONER.

WILLIAM H. CLEMENCE.

Chosen by concurrent vote, commencing in the Board of Aldermen, in January or February.
Ord. p. 167.

SURVEYORS OF LUMBER.

GEORGE W. KELLEY,
LORENZO G. HOWE,
JAMES N. MORSE,
JOSHUA M. HADLEY,
ALFRED P. BATEMAN,
ATIS OSGOOD,

JOHN F. BATEMAN,
STEPHEN C. DAVIS,
LUTHER SMITH,
SAMUEL NEWHALL,
HENRY L. TIBBETTS,
GEORGE A. ROPER,

AARON BLANCHARD.

Four or more chosen by concurrent vote, commencing in the Board of Aldermen, in January or February. Ord. p. 167.

FENCE VIEWERS.

LORENZO PHELPS,

EDWARD FIFIELD.

JOSHUA M. HADLEY,

Chosen by concurrent vote, commencing in the Board of Aldermen, in January or February.
Ord. p. 167.

FIELD DRIVERS.

WILLIAM H. CLEMENCE,
WILLIAM M. LEE,
PETER BUCKMAN,

THOMAS J. SANBORN,
WM. P. FARRINGTON,
THOMAS PAUL,

ALFRED DAY.

Chosen by concurrent vote, commencing in the Board of Aldermen, in January or February.
Ord. p. 167.

POUND KEEPER.

SYLVESTER CROSBY.

Chosen by concurrent vote, commencing in the Board of Aldermen, in January or February.
Ord. p. 167.

*MEASURER OF WOOD AND BARK.—SUPERINTENDENT OF CITY
SCALES.—INSPECTOR OF BALE OR BUNDLE HAY.*

SYDNEY DAVIS, office at City Scales, rear of Market House Building.

Appointed by the Mayor and Aldermen in January or February. Ord. p. 168, amended 1874.

MEASURER OF WOOD AND BARK.

FRANCIS H. CHANDLER,.....at Pawtucket Square.

WEIGHERS OF COAL.

SYDNEY DAVIS,	FRANK E. BENNETT,
AUGUSTUS W. WEEKS,	JOHN F. KINSELA,
BERNARD RILEY.	

Appointed by the Mayor and Aldermen in January or February. Ord. p. 168, amended 1872.

SEALER OF WEIGHTS AND MEASURES.

JOHN A. KNOWLES, JR.,.....Office at Mechanics' Mills.

Appointed by the Mayor and Aldermen in January or February. Ord. p. 168.

INSPECTOR OF MILK.]

JOHN A. KNOWLES, JR.,.....Office at Mechanics' Mills.

Appointed by the Mayor and Aldermen in January or February. Ord. p. 168.

*SURVEYORS OF PLASTERING, BRICK OR STONE WORK,
AND PAINTING.*

SAMUEL NEWHALL,	JOSHUA M. HADLEY,
RICHARD W. BAKER,	WILLIAM F. OSGOOD,
LUTHER SMITH,	ATIS OSGOOD,
GEORGE E. EVANS,	GEORGE W. KELLEY.

Appointed by the Mayor and Aldermen in January or February. Ord. p. 168.

MEASURERS OF GRAIN.

JAMES BERRY,

|

GEORGE W. TILTON.

Fees $2\frac{1}{2}$ mills per bushel for measuring. Appointed by the Mayor and Aldermen in January or February. Ord. p. 168.

WEIGHERS OF HAY AND OTHER ARTICLES.

BERNARD RILEY, at Scales, corner of Western Ave. and Fletcher St.

FRANCIS H. CHANDLER,.....at Scales in Pawtucket Square.

Forty per cent. of their fees are payable to the City, quarterly. Appointed by the Mayor and Aldermen in January or February. Ord. p. 168, amended 1874.

MEASURERS OF WOOD AND BARK BROUGHT BY WATER OR RAILROAD CARS INTO THE CITY.

SAMUEL NEWHALL,

|

LUTHER SMITH,

GEORGE W. KELLEY.

Appointed by the Mayor and Aldermen in January or February. Ord. p. 168.

INSPECTORS OF PETROLEUM OILS.

GEORGE HOBSON,

|

GEORGE B. ROOT.

Appointed by the Mayor and Aldermen. Chapter 152 of the Acts of 1869.

CITY CRIER.

ROGER McCANN,.....Office, 23 Pearl Street.

Appointed by the Mayor and Aldermen in January or February. Ord. p. 168.

MEASURERS OF UPPER LEATHER.

NATHAN W. FRYE,

|

JOHN Q. A. HUBBARD,

REVILO F. COOK,

|

WILLIAM H. WHITE.

Appointed by the Mayor and Aldermen in April. Ord. p. 168.

JANITOR OF HUNTINGTON AND JACKSON HALLS.

WARREN FLETCHER.

Appointed by the Mayor.

FIRE DEPARTMENT FOR 1875-6.

The members of the Fire Department are appointed by the Mayor, subject to the confirmation or rejection of the Aldermen, on the first Wednesday in April, annually, and hold their respective offices for the term of one year from the first day of May next succeeding their appointment, provided, however, that vacancies may be filled at any time, and the Chief Engineer and the Assistant Engineers may be removed at any time by the Mayor and Aldermen.

Ord. pp. 145, 168; Chap. 83 of the Acts of 1868.

Chief Engineer.

GEORGE HOBSON,.....24 Linden Street.

Assistant Engineers.

CHARLES H. ARLEN,.....Perrin Street.

SAMUEL W. TAYLOR,.....172 Merrimack Corporation.

HIRAM N. HALL,.....Elliott Street.

EDWARD S. HOSMER,.....12 Livermore Street.

HIRAM N. HALL, *Clerk of the Board.*

The Clerk is chosen by the Engineers.

*Steam Fire Engines.**Hope Steam Fire Engine Company, No. 1.*

Middle Street,.....13 Members.

HENRY W. BURTON, Foreman. | JEWETT J. LOCKE, Engineer.

Weight, 7,575 pounds. Cost, ——. Built in 1870, by Union Machine Company, of Fitchburg.

Torrent Steam Fire Engine Company, No. 2.

Middlesex Street,.....13 Members.

RUEL F. BRITTON, Foreman. | GEORGE MADDOCKS, Engineer.

Weight, 7,720 pounds. Cost, \$4,000. Built in 1868, by Hunne-
man & Co., Boston.

Wamesit Steam Fire Engine Company, No. 3.

Middle Street,.....13 Members.

JOSIAH W. WHITE, Foreman. | EDWARD L. BROWN, Engineer.

Weight, 7,650 pounds. Cost, \$4,250. Built in 1866, by Hunne-
man & Co., Boston.

Relief Steam Fire Engine Company, No. 4.

Warren Street,..... ———, Engineer.

Weight, 8,300 pounds. Cost, \$3,000. Built in 1861, by Silsby,
Mynderse & Co., Seneca Falls, N. Y.

*Hose Carriages.**Ocean Hose Company, No. 1, Warren Street.*

SAMUEL G. COOPER, Foreman, 12 Members.

Mechanics' Hose Company, No. 2, Cross Street.

GEORGE T. ANTHONY, Foreman, 12 Members.

Excelsior Hose Company, No. 3, Central Street.

JAMES F. NORTON, Foreman, 12 Members.

Mazeppa Hose Company, No. 4, Fayette Street.

WILLIAM KING, Foreman, 12 Members.

Wellman Hose Company, No. 5, Fourth Street.

JAMES ARMSTRONG, Foreman, 12 Members.

*Hook and Ladder Carriages.**Franklin Hook and Ladder Company, Middle Street.*

WILLIAM K. DOE, Foreman, 29 Members.

Hand Engines.

The Companies connected with the several Hand Engines were abolished May 1, 1868. The following Hand Engine was kept as a reserve :

*Rocket, No. 2, Ayer's City.**Operator of Fire Alarm Telegraph.*

GEORGE B. WHITNEY, Engine House, Middle Street.

*POLICE COURT.*NATHAN CROSBY, *Standing Justice.*

JOHN DAVIS,
FREDERIC T. GREENHALGE, } *Special Justices.*

SAMUEL P. HADLEY, *Clerk.*

Chosen at the Municipal Election, 1871, and every fifth year thereafter, by the people. Gen Stat. and Chap. 169 of the Acts of 1866.

SCHOOL COMMITTEE, 1875.

FRANCIS JEWETT, Chairman.

JOSIAH G. PEABODY, Vice-Chairman.

CHARLES MORRILL, Secretary.

NAMES OF SCHOOL COMMITTEE.

FRANCIS JEWETT, Mayor,.....	}	<i>Ex Officiis.</i>
ALBERT A. HAGGETT, President of the Common Council,		
Ward 1—JAMES W. B. SHAW,.....		Term expires 1876
JOHN W. SMITH,.....	"	" 1875
" 2—GEORGE H. PILLSBURY,.....	"	" 1876
CYRUS H. LATHAM,.....	"	" 1875
" 3—EPHRAIM B. PATCH,.....	"	" 1876
GEORGE E. PINKHAM,	"	" 1875
" 4—CHARLES KIMBALL,.....	"	" 1876
WILLIAM H. ANDERSON,.....	"	" 1875
" 5—WILLIAM G. WARD,.....	"	" 1876
JOSIAH G. PEABODY,.....	"	" 1875
" 6—GEORGE F. LAWTON,.....	"	" 1876
BENJAMIN J. WILLIAMS,	"	" 1875

STANDING COMMITTEES.

ON ACCOUNTS.—Messrs. Jewett, Haggett, Shaw, Ward, and Peabody.

ON SCHOOL-HOUSES.—Messrs. Shaw, Pinkham, Kimball, Pillsbury, and Smith.

ON TEACHERS.—Messrs. Kimball, Anderson, Pillsbury, Pinkham, and Lawton.

ON REPORTS.—Messrs. Williams, Anderson, Lawton, Latham, and Patch.

ON BOOKS.—Messrs. Anderson, Kimball, Shaw, Williams, Lawton, and Haggett.

ON SALARIES.—Messrs. Jewett, Haggett, Peabody, Williams, and Pinkham.

ON PENMANSHIP AND DRAWING.—Messrs. Ward, Pillsbury, Latham, Lawton, and Smith.

ON MUSIC.—Messrs. Haggett, Ward, Pinkham, Latham, and Shaw.

ON FREE EVENING SCHOOLS.—Messrs. Latham, Peabody, Ward, Patch, and Smith.

ON SUSPENSION OF THE SCHOOLS.—Messrs. Jewett, Pillsbury, and Patch.

ASSIGNMENT OF SCHOOLS.

THE MAYOR.—Mixed Schools, Middlesex Village, Pawtucketville, and Varnum Street.

MR. HAGGETT.—High School, and Primaries 13, 19, 20, 39, 57.

MR. SHAW.—High School, and Primaries 8, 11, 12, 23, 29, 43.

MR. SMITH.—Green School, and Primaries 10, 26, 36, 38.

MR. LATHAM.—Varnum School, and Primaries 46, 47, 48, 49, 55.

MR. PILLSBURY.—High School, and Primaries 3, 7, 18, 21, 53.

MR. PINKHAM.—Edson and Sherman Schools, and Primaries 4, 31, 54.

MR. PATCH.—Colburn School, and Primaries 24, 27, 33, 42, 56.

MR. ANDERSON.—Franklin School, and Primaries 5, 6, 15, 30.

MR. KIMBALL.—High School, and Primaries 17, 28, 34, 50.

MR. WARD.—High and Mann Schools, and Primaries 22, 32, 41, 44.

MR. PEABODY.—Bartlett School, and Primaries 2, 40, 45.

MR. WILLIAMS.—Moody School, and Primaries 9, 35, 51, 52.

MR. LAWTON.—High School, and Primaries 14, 16, 25, 37.

REGULAR MEETINGS OF SCHOOL COMMITTEE, 1875.

January 25, February 22, March 29, April 26, May 31, June 28, July 26, August 30, September 27, October 25, November 29, December 27.

CHARLES MORRILL, Superintendent of Public Schools.

Office, in the City Government Building.

OFFICE HOURS.—From March 1st to November 30th, inclusive, one hour after morning session; from December 1st to the last day of February, inclusive, one hour after the afternoon session. Wednesday and Saturday afternoons, from 2 to 3 o'clock.

TRUANT AND POLICE OFFICERS.

BICKFORD LANG,

|

JESSE HUSE.

WARD OFFICERS, 1875.

WARD ONE.

Warden, . . John H. Durgin, Jr.
Clerk, Thomas C. Howarth,
Inspectors, William Guiney,
 Silas O. Perry,
 Andrew Holland.

WARD TWO.

Warden, . . Edwin Lamson.
Clerk, William D. Brown.
Inspectors, John S. D'Evelyn,
 Edward M. Tucke,
 Daniel J. Varnum.

WARD THREE.

Warden, . . Everett W. French.
Clerk, Arthur H. Benner.
Inspectors, Horace E. Moody,
 Miles F. Brennan,
 Milo G. Hallett.

WARD FOUR.

Warden, . . Asa C. Russell.
Clerk, Charles E. Carter.
Inspectors, Asahel D. Puffer,
 Abner A. Jewett,
 Darius Whithed, Jr.

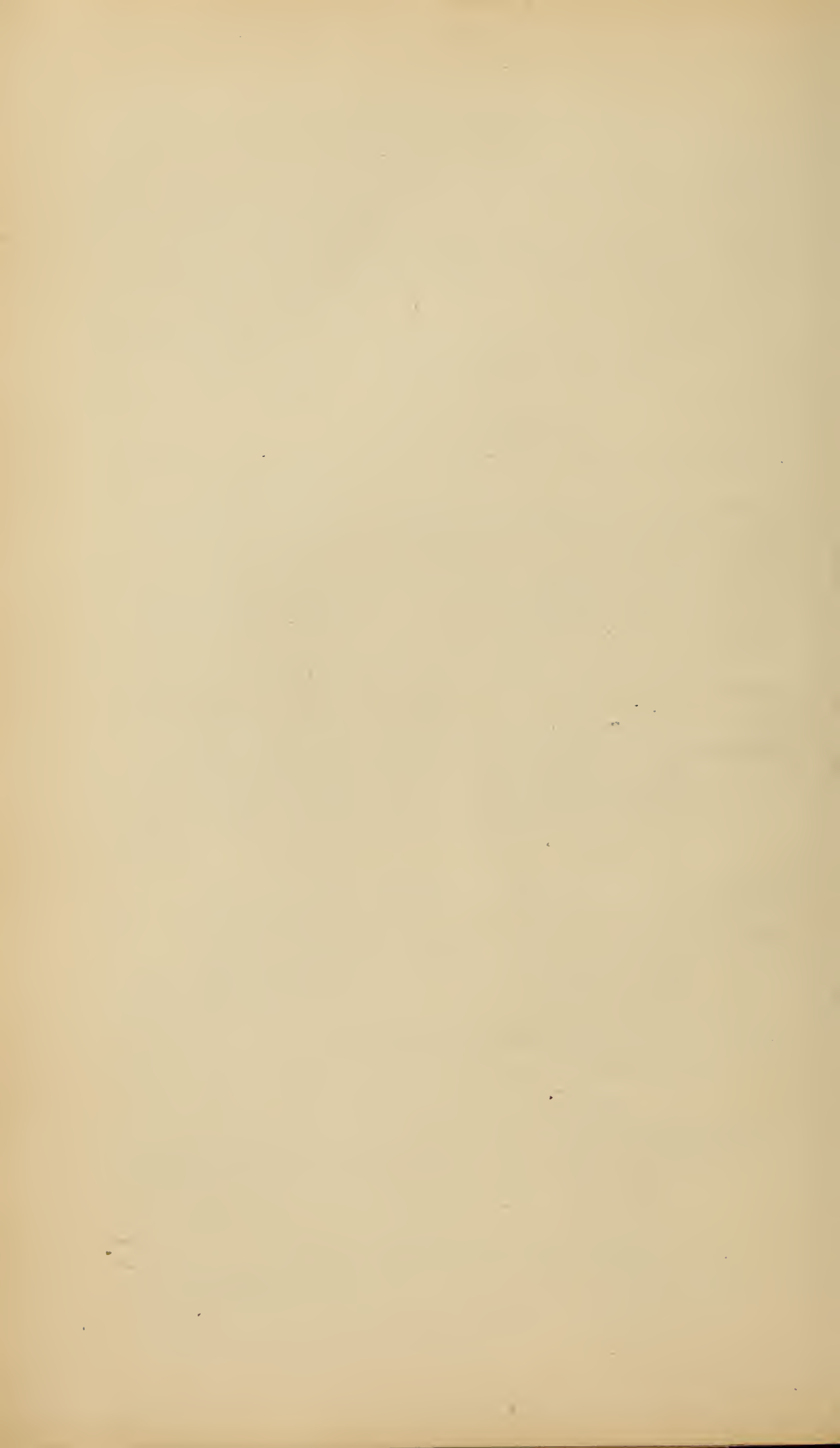
WARD FIVE.

Warden, . . William A. Fifield.
Clerk, Allen P. Lake.
Inspectors, John McQuesten,
 J. W. Mitchell,
 John F. Tabor.

WARD SIX.

Warden, . . Frank N. Owen.
Clerk, Willis Farrington.
Inspectors, Asa W. Mead,
 Frank W. Hurd,
 Frank N. Chase.

Chosen annually at the Municipal Election held on the Tuesday next after the second Monday in December. Amendment to the City Charter, approved March 12, 1847.



CATALOGUE

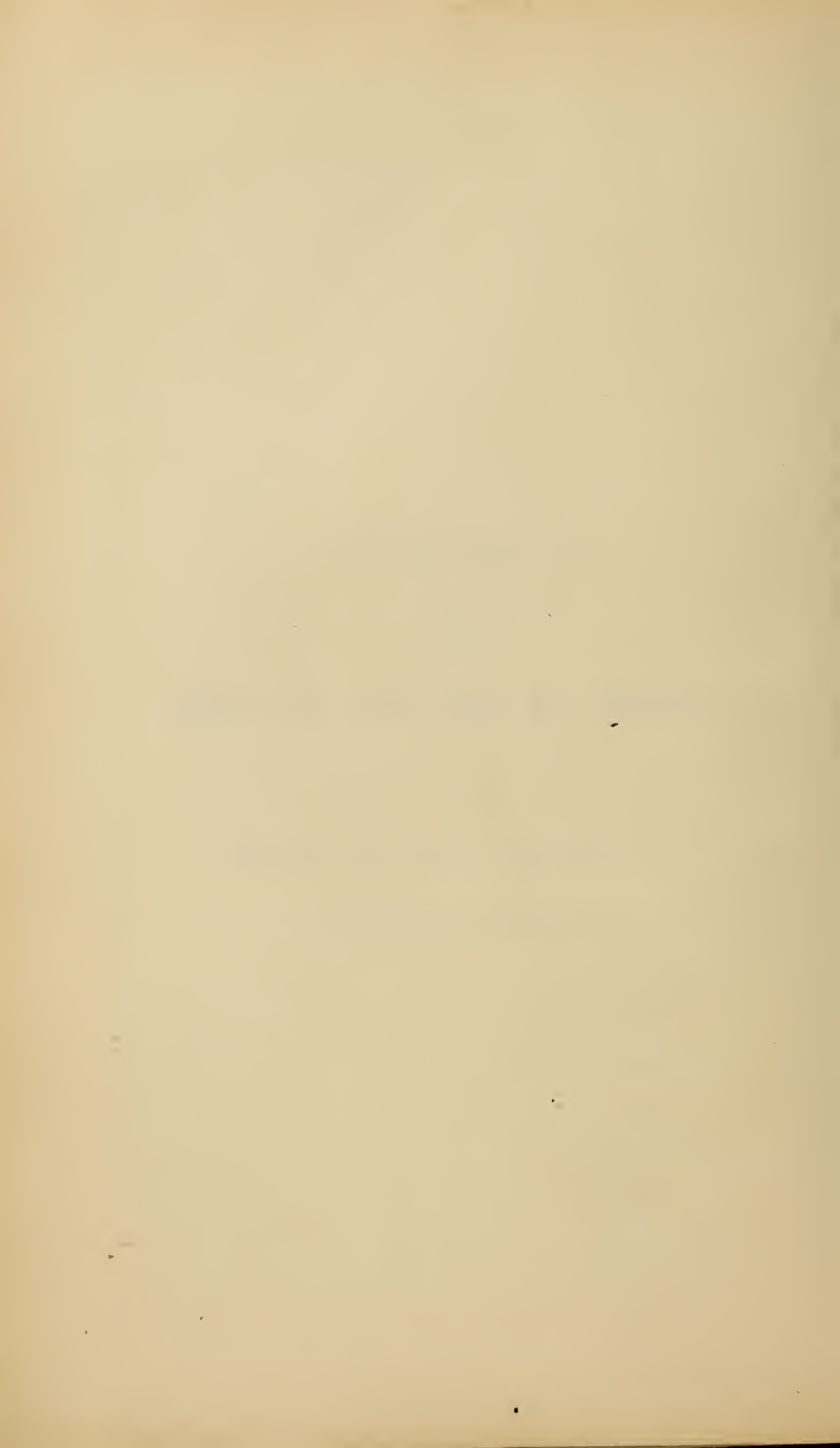
OF THE

GOVERNMENT OF THE CITY OF LOWELL,

IN

CHRONOLOGICAL ORDER OF SERVICE,

FROM ITS INSTITUTION, 1836, TO 1874.



1836.

Mayor:

ELISHA BARTLETT.

Aldermen:

William Austin, resigned Oct. 10,
Joseph Tapley, elected November,
Seth Ames,
Aaron Mansur,

Benjamin Walker,
Oliver M. Whipple,
Alexander Wright.

SAMUEL A. COBURN, *City Clerk*.

Common Council:

John Clark, *President*,
Henry J. Baxter,
Jonathan Bowers,
George Brownell,
James Cook,
David Dana,
Erastus Douglass,
Josiah B. French,
Cyril French,
Samuel Garland,
Horatio W. Hastings,
Horace Howard,

Stephen Mansur,
John Mixer,
Thomas Nesmith,
David Nourse,
Thomas Ordway,
James Russell,
John A. Savels,
Sidney Spalding,
Weld Spalding,
Jonathan Tyler,
Tappan Wentworth,
William Wyman.

GEORGE WOODWARD, *Clerk*, died. ALBERT LOCKE, elected.

1837.

Mayor:

ELISHA BARTLETT, †'36.

Aldermen:

Seth Ames, *'36,
John Aiken,
Seth Chellis,

Joseph G. Kittredge,
Joshua Swan,
Alexander Wright, *'36.

SAMUEL A. COBURN, *City Clerk*.

Common Council:

WARD 1.

Joshua Abbott,
James K. Fellows,
Jesse Phelps,
Walter Wright.

WARD 2.

William Fiske,
Thomas Nesmith, '36.
Josiah Osgood,
Joseph Tyler.

WARD 3.

Joseph M. Dodge,
Elisha Huntington, *President*,
William North,
Joseph Tapley.

WARD 4.

William Baker,
Elijah M. Read,
Charles H. Wilder,
William W. Wyman.

WARD 5.

George Brownell, '36,
Osgood Dane,
James Russell, '36.
Tappan Wentworth, '36.

WARD 6.

Andrew Bird,
Benjamin H. Gage,
Jona. T. P. Hunt,
Abram Tilton.

ALBERT LOCKE, *Clerk*.

The figures without other marks indicate membership of the Common Council those years. * Mayor that year. * Alderman that year. † President of Common Council that year.

1838.

Mayor :

LUTHER LAWRENCE.

Aldermen :

Benjamin F. French,
Charles L. Tilden,
Oliver M. Whipple, * '36,

George H. Carleton,
George Brownell, '36, '37,
Seth Chellis, * '37.

THOMAS ORDWAY, *City Clerk.*

Common Council :

WARD 1.

Jesse Phelps, '37,
Walter Wright, '37,
Eliphalet Brown,
Perez Fuller.

WARD 2.

William Fiske, '37.
Aaron H. Sherman,
William Upham,
Henry J. Baxter, '36.

WARD 3.

Thomas Hopkinson,
Elisha Huntington, † '37, *President*,
Horace Howard, '36,
John Mixer, '36.

WARD 4.

David Dana, '36,
Perley Hale,
Benjamin Walker, * '36,
William Baker, '37.

WARD 5.

Garret J. Bradt,
Benjamin Wilde,
Erastus Douglass, * '36,
Rufus Paul.

WARD 6.

Eli Cooper,
Thomas L. Randlett,
James L. Foot,
Calvin Goodspeed.

ALBERT LOCKE, *Clerk.*

1839.

Mayor :

LUTHER LAWRENCE. — [Died in April.]

ELISHA HUNTINGTON, † '37, † '38.

Aldermen :

Benjamin F. French, * '38,
John O. Green,
Charles L. Tilden, * '38,

George H. Carleton, * '38,
John Clark, † '36,
Oliver M. Whipple, * '36, * '38.

THOMAS ORDWAY, *City Clerk.*

Common Council :

WARD 1.

Walter Wright, '37, '38,
Harlin Pillsbury,
Eliphalet Brown, '38,
Forrest Eaton.

WARD 2.

Jonathan Tyler, '36,
John Nesmith,
Henry J. Baxter, '36, '38,
Jefferson Bancroft.

WARD 3.

Thomas Hopkinson, '38, *President*,
Jacob Robbins,
John G. Locke.

WARD 4.

Benjamin Walker, * '36, '38,
Samuel Horn,
Stephen Carleton,
Stephen Mansur, '36.

WARD 5.

Tappan Wentworth, '36, '37,
Lewis McIntire, died Feb., '40,
Benjamin Wilde, '38,
Garret J. Bradt, '38.

WARD 6.

Thomas L. Randlett, '38,
Joseph S. Holt,
John L. Fitts,
Daniel Knapp.

ALBERT LOCKE, *Clerk.*

1840.**Mayor:**

ELISHA HUNTINGTON, †'37, †'38, †'39.

Aldermen:Jonathan Tyler, '36, '39,
John R. Adams,
Joseph Bedlow,Harlin Pillsbury, '39,
Seth Ames, *'36, *'37,
Stephen Mansur, '36, '39.THOMAS ORDWAY, *City Clerk.***Common Council:****WARD 1.**Forrest Eaton, '39,
Sylvanus Adams,
Henry Patch,
R. M. Hutchinson.**WARD 2.**Jefferson Bancroft, '39,
John Nesmith, '39,
Joseph G. Kittredge, *'37,
Josiah Osgood, '37.**WARD 3.**Pelham W. Warren, *President*,
Abner W. Buttrick,
Asa Hall,
Samuel Burbank.**WARD 4.**Ferdinand Rodliff,
Ethan Burnap,
Edward F. Watson,
B. Walker, *'36, '38, '39, died Sept.**WARD 5.**Tappan Wentworth, '36, '37, '39,
Samuel W. Brown,
John J. Crane,
George Dane.**WARD 6.**Daniel Knapp, '39,
George L. Fitts, '39,
Joseph Battles,
Joshua Converse.ALBERT LOCKE, *Clerk*, died October. JOHN G. LOCKE, elected October.**1841.****Mayor:**

ELISHA HUNTINGTON, †'37, †'38, †'39, †'40.

Aldermen:Seth Chellis, *'37, '38,
Jefferson Bancroft, '39, '40,
Cyril French, '36,George H. Carleton, *'38, *'39,
John R. Adams, *'40.
John Aiken, *'37.THOMAS ORDWAY, *City Clerk.***Common Council:****WARD 1.**Henry Patch, '40,
George Bragdon,
John W. Holland,
Arnold Welch.**WARD 2.**William Fiske, '37, '38,
Erasmus D. Leavitt,
Jonathan White,
Nathaniel Wilson.**WARD 3.**Samuel Burbank, '40,
Nathaniel Critchett,
Royal Southwick,
Edward Winslow.**WARD 4.**Ethan Burnap, '40,
William Livingston,
John Morrison,
Edward F. Watson, '40.**WARD 5.**Tappan Wentworth, '36, '37, '39,
'40, *President*,
Samuel W. Brown, '40,
John J. Crane, '40,
Phineas Whiting.**WARD 6.**Francis H. Bowers,
Isaac H. Cooper,
William Potter,
John Smith.JOHN G. LOCKE, *Clerk.*

1842.**Mayor:****NATHANIEL WRIGHT.****Aldermen:**

Nathaniel Thurston,
 Jefferson Bancroft, '39, '40, '41,
 Cyril French, '36, * '41,

William Livingston, '41,
 Ithamar A. Beard,
 John W. Graves.

THOMAS ORDWAY, *City Clerk.*

Common Council:**WARD 1.**

Jeremiah P. Jewett,
 John Hadley,
 James Townsend,
 Edward J. Payne.

WARD 2.

John Nesmith, '39, '40,
 Erasmus D. Leavitt, '41,
 Joseph W. Mansur, *President*,
 James Hopkins.

WARD 3.

Nathaniel Critchett, '41,
 Ira Spalding,
 John Mead,
 Asa W. Willoughby.

WARD 4.

John Morrison, '41,
 William Carlton,
 Oliver March,
 Josiah B. French, '36.

WARD 5.

James Patterson,
 Isaac Appleton,
 Josiah Seavey,
 Roswell Douglass.

WARD 6.

James Russell, '36, '37,
 Jonathan Kendall,
 Varnum A. Shed,
 Isaac N. Fitts.

JOHN G. LOCKE, *Clerk.*

1843.**Mayor:****NATHANIEL WRIGHT, †'42.****Aldermen:**

Harlin Pillsbury, '39, * '40, res'd June,
 Henry C. Johnson,
 Cyril French, '36, * '41, * '42,

S. Spalding, '36. resigned in June.
 Joseph Griffin,
 Charles L. Tilden, * '38, '39.

THOMAS ORDWAY, *City Clerk.*

Common Council:**WARD 1.**

Daniel Bixby,
 Edward J. Payne, '42,
 Hugh Cummiskey,
 Walter Wright, '37, '38, '39.

WARD 2.

Henry J. Baxter, '36, '38, '39,
 John P. Simonds,
 Pliny Lawton,
 Ben Osgood.

WARD 3.

John Mead, '42,
 Willard Brown,
 Ira Spalding, '42,
 Benjamin J. Gerrish.

WARD 4.

Otis Allen,
 Alfred Gilman,
 Oliver March, '42, *President*,
 William Carlton, '42.

WARD 5.

James Patterson, '42,
 David Bradt,
 John L. Tripp,
 Benjamin F. Holden,

WARD 6.

John B. McAlvin,
 Cyrus Battles,
 Sewall G. Mack,
 Charles F. Mitchell.

JOHN G. LOCKE, *Clerk.*

1844.**Mayor:**

ELISHA HUNTINGTON, †'37, †'38, †'39, †'40, †'41.

Aldermen:Henry Smith,
Selwin Bancroft,
O. M. Whipple, *'36, *'38, *'39,Edward F. Watson, '40, '41,
Joseph Griffin, *'43,
John Wright.THOMAS ORDWAY, *City Clerk.***Common Council:****WARD 1.**Forrest Eaton, '39, '40,
Gilman N. Nichols,
Hugh Cummiskey, '43,
David Healey.**WARD 2.**John P. Simonds, '43,
Ben Osgood, '43,
Amos Merriam,
John Clark, †'36, *'39, *President.***WARD 3.**Charles B. Coburn,
George Choate,
Isaac Scripture,
William C. Gray.**WARD 4.**Asa Wetherbee,
Abner W. Buttrick, '40,
Horatio G. F. Corliss,
Charles H. Wilder, '37.**WARD 5.**John L. Tripp, '43,
David Bradt, '43,
John Wright,
Nathaniel Wright, Jr.**WARD 6.**Sewall G. Mack, '43,
James Russell, '36, '37, '42,
Jonathan Kendall, '42,
Gilman Gale.JOHN G. LOCKE, *Clerk.***1845.****Mayor:**

ELISHA HUNTINGTON, †'37, †'38, †'39, †'40, †'41, †'44.

Aldermen:Henry Smith, *'44,
Selwin Bancroft, *'44,
O. M. Whipple, *'36, *'38, *'39, *'44,Edward F. Watson, '40, '41, *'44,
John C. Dalton,
Daniel Knapp, '39.THOMAS ORDWAY, *City Clerk.***Common Council:****WARD 1.**Gilman N. Nichols, '39,
Danforth P. Brigham,
Jonathan Adams,
Willard C. Welch.**WARD 2.**John P. Simonds, '43, '44,
Daniel Balch,
William Brown,
Daniel S. Richardson, *President.***WARD 3.**Isaac Scripture, '44,
William C. Gray, '44,
George Choate, '44,
Hapgood Wright.**WARD 4.**Abner W. Buttrick, '40, '44,
Asa Wetherbee, '44,
Charles H. Wilder, '37, '44,
Josiah Sawtell.**WARD 5.**Nathaniel Wright, Jr., '44,
Amos Hyde,
Edward Sherman,
James Fenno.**WARD 6.**Gilman Gale, '44,
John B. McAlvin, '43,
Samuel Fay, Jr.,
Lorenzo P. Wright.JOHN G. LOCKE, *Clerk.*

1846.**Mayor:****JEFFERSON BANCROFT**, '39, '40, *'41, *'42.**Aldermen:**

Henry Smith, *'44, *'45,
 Selwin Bancroft, '44, *'45,
 William C. Gray, '44, '45,
 Joseph Butterfield,

John C. Dalton, '45,
 D. Knapp, '39, *'45, resigned July,
 Isaac Cooper, '41, elected August.

THOMAS ORDWAY, *City Clerk.***Common Council:****WARD 1.**

Gilman N. Nichols, '39, '45,
 Danforth P. Brigham, '45,
 Willard C. Welch, '45,
 Thomas S. Hutchinson.

WARD 2.

Daniel Balch, '45,
 William Brown, '45,
 Daniel S. Richardson, †'45, *President*,
 Zadock Rogers.

WARD 3.

Hapgood Wright, '45,
 Isaac Farrington,
 Joel Powers,
 Franklin Mead.

WARD 4.

Josiah Sawtell, '45,
 Solon Stevens,
 David J. Moody,
 William Fletcher.

WARD 5.

Amos Hyde, '45,
 Horatio G. F. Corliss, '44,
 Jonathan Bowers, '36,
 Charles M. Short.

WARD 6.

Lorenzo P. Wright, '45,
 John L. Fitts, '39, '40,
 Lewis Packard,
 Columbus J. Hubbard.

JOHN G. LOCKE, *Clerk.***1847.****Mayor:****JEFFERSON BANCROFT**, '39, '40, *'41, *'42, †'46.**Aldermen:**

George Bragdon,
 Joseph Butterfield, *'46,
 Linus Child,
 James Fenno, '45,

Elisha Huntington, †'37, †'38,
 †'39, †'40, †'41, †'44, †'45,
 Sewall G. Mack, '43, '44,
 Stephen Mansur, '36, '39, *'40,
 Josiah Sawtell, '45, '46.

THOMAS ORDWAY, *City Clerk.***Common Council:****WARD 1.**

William Conihe,
 James C. Crombie,
 David S. Bachelder,
 Jesse Huse.

WARD 2.

Samuel W. Brown, '40, '41,
 Hannibal Powers,
 William Newman,
 Otis L. Allen.

WARD 3.

Joel Powers, '46,
 Franklin Mead, '46,
 Isaac Farrington, '46,
 Samuel G. Davis.

WARD 4.

Joel Adams, *President*,
 Horatio Fletcher,
 Solon Stevens, '46,
 Stephen A. Coburn.

WARD 5.

Ignatius Tyler,
 Edward C. Johnson,
 Elihu Gates,
 Charles M. Short, '46.

WARD 6.

Thomas Wentworth,
 Isaac N. Parker,
 John R. Southwick,
 Isaiah Morse.

JOHN G. LOCKE, *Clerk.*

1848.**Mayor:**

JEFFERSON BANCROFT, '39, '40, *'41, *'42, †'46, †'47.

Aldermen:

David Dana, '36, '38,
 Erastus Douglass, '36, '38,
 Jacob Graves, resigned in June,
 William Newman, '47,

Gilman N. Nichols, '39, '45, '46,
 Daniel S. Richardson, †'45, †'46,
 Josiah Sawtell, '45, '46, *'47,
 O. M. Whipple, *'36, *'38, *'39, *'45.

THOMAS ORDWAY, *City Clerk.***Common Council:****WARD 1.**

William Conihe, '47,
 James C. Crombie, '47,
 Jesse Huse, '47,
 Gerry Wilson.

WARD 2.

Otis L. Allen, '47,
 William H. Flagg,
 John Nesmith, '39, '40, '42,
 Hannibal Powers, '47.

WARD 3.

Alfred Gilman, '43,
 Thomas Hopkinson, '38, '39, *President*,
 Ransom Reed,
 Nathaniel Critchett, '41, '42.

WARD 4.

John Avery,
 Otis Allen, '43,
 Abiel Rolfe,
 Horace Howard, '36, '38.

WARD 5.

Ignatius Tyler, '47,
 Elihu Gates, '47,
 Edward C. Johnson, '47,
 Charles M. Short, '46, '47.

WARD 6.

Thomas Wentworth, '47,
 Isaac N. Parker, '47,
 Jeremiah M. Currier,
 Horace Parmenter.

JOHN G. LOCKE, *Clerk.***1849.****Mayor:**

JOSIAH B. FRENCH, '36, '42.

Aldermen:

James B. Francis,
 Cyril French, '36, *'41, *'42, *'43,
 James H. B. Ayer,
 Daniel D. Crombie,

Daniel Carter,
 George Brownell, '36, '37, *'38,
 Artemas L. Brooks,
 Joseph Bedlow, *'40.

THOMAS ORDWAY, *City Clerk.***Common Council:****WARD 1.**

Jesse Huse, '47, '48, resigned Feb.,
 William A. Richardson, elected Mar.,
 Gerry Wilson, '48,
 John W. Smith,
 Alfred S. Saunders.

WARD 2.

William H. Flagg, '48,
 Ivers Taylor,
 Isaac S. Morse, resigned,
 Ambrose Lawrence.

WARD 3.

Alfred Gilman, '43, '48,
 Elisha Davis,
 James Dinsmoor,
 Andrew C. Wheelock.

WARD 4.

Nathaniel B. Favor,
 Caleb Crosby,
 Ezekiel Wright,
 Waldo A. Fisher.

WARD 5.

Maynard Bragg,
 Joshua Decatur,
 Abram T. Melvin,
 W. W. Morse.

WARD 6.

William Lamson, Jr.,
 Jeremiah M. Currier, '48,
 George S. Wright,
 John Aiken, *'37, *'41, *President.*

GEORGE A. BUTTERFIELD, *Clerk.*

1850.**Mayor:****JOSIAH B. FRENCH**, '36, '42, †'49.**Aldermen:**James H. B. Ayer, *'49,
Joseph Bedlow, *'40, *'49,
Daniel D. Crombie, *'49,
James B. Francis, *'49,Philip Hardy,
John Mixer, '36, '38,
Josiah G. Peabody,
James Townsend, '42.THOMAS ORDWAY, *City Clerk.***Common Council:****WARD 1.**John W. Smith, '49,
Daniel R. Kimball,
James Watson,
Jonathan Smothers.**WARD 2.**Ivers Taylor, '49, *President*,
George Gardner,
Samuel Lawrence, 2d,
Samuel J. Varney.**WARD 3:**Jonathan Page,
John Tripp,
Fordyce Coburn,
Joshua Merrill.GEO. A. BUTTERFIELD, *Clerk*, res'd May.**WARD 4.**Abner W. Buttrick, '40, '44, '45,
Caleb Crosby, '49,
Benjamin Goddard,
Nathaniel B. Favor, '49.**WARD 5.**George P. Elliot,
William Fiske, '37, '38, '41,
George W. Worthen,
Maynard Bragg, '49.**WARD 6.**Albert Mallard,
Stephen P. Sargent,
George S. Wright, '49,
Wm. Lamson, Jr., '49, res'd May.
WM. LAMSON, JR., elected May.**1851.****Mayor:****JAMES H. B. AYER**, *'49, *'50.**Aldermen:**William Fiske, '37, '38, '41, '50,
Ambrose Lawrence, '49,
James Townsend, '42, *'50,
Philip Hardy, *'50,William North, '37,
Abiel Rolfe, '48,
Lucius A. Cutler,
Joshua Converse, '40.THOMAS ORDWAY, *City Clerk.***Common Council:****WARD 1.**James Watson, '50,
Jonathan Smothers, '50,
Charles B. Coburn, '44,
Stephen Moar.**WARD 2.**Linus Child, *'47,
George Gardner, '50, *President*,
Samuel J. Varney, '50,
Zachariah B. Caverly.**WARD 3.**Fordyce Coburn, '50,
William Twichell,
Darius C. Brown,
Benjamin C. Sargeant.**WARD 4.**Benjamin Goddard, '50,
Richard Dennis,
Holland Streeter,
Solomon D. Emerson.**WARD 5.**George P. Elliot, '50,
Edward Fifield,
John N. Ford,
Theodore H. Sweetser.**WARD 6.**George W. Worthen, '50,
George W. Jones, died Sept.,
Stephen P. Sargent, '50,
Albert Mallard, '50.WILLIAM LAMSON, JR., *Clerk.*

1852.**Mayor:**

ELISHA HUNTINGTON, †'37, †'38, †'39, †'40, †'41, †'44, †'45, *'47.

Aldermen:Joseph Bedlow, *'40, *'49, *'50,
Joseph M. Bullens,
Samuel Burbank, '40, '41,
Joseph B. V. Coburn,Wm. Fiske, '37, '38, '41, '50, *'51,
William North, '37, *'51,
Alpha Stevens,
Samuel J. Varney, '50, '51.THOMAS ORDWAY, *City Clerk.***Common Council:****WARD 1.**Rufus Rogers,
John C. Smith,
Jeremiah Clark,
Paul Hill.**WARD 2.**Paul Perkins,
Milton Bonney,
William Hovey,
Zachariah B. Caverly, '51.**WARD 3.**Darius C. Brown, '51,
William Twichell, '51,
Benjamin C. Sargeant, '51, *President*,
Michael B. Caswell.**WARD 4.**Holland Streeter, '51,
Elbridge Livingston,
Abram French,
Willard Minot.**WARD 5.**Edward Fifield, '51,
Phineas Whiting, '41,
George W. Patterson,
Jonathan Kendall, '42, '44.**WARD 6.**Leonard W. Jaquith,
Seth Pooler,
Caleb G. Weaver,
William C. Parker.WILLIAM LAMSON, JR., *Clerk.***1853.****Mayor:**

SEWALL G. MACK, '43, '44, *'47.

Aldermen:Elisha Huntington, †'37, †'38, †'39,
†'40, †'41, †'44, †'45, *'47, †'52,
Samuel K. Hutchinson,
Stephen Mansur, '36, '39, *'40, *'47,
Joseph B. V. Coburn, *'52,Ira Spalding, '42, '43,
Joseph M. Bullens, *'52,
Alpha Stevens, *'52,
Joseph White:THOMAS ORDWAY, *City Clerk.***Common Council:****WARD 1.**Rufus Rogers, '52,
John C. Smith, '52,
Marcus A. Thomas,
James Cook, '36.**WARD 2.**Paul Perkins, '52,
Milton Bonney, '52,
George G. Bumpus,
George W. Stanley.**WARD 3.**Michael B. Caswell, '52,
Calvin Philbrick,
Leonard Brown,
Henry H. Wilder.**WARD 4.**Abram French, '52,
Henry C. Howe,
Joseph S. Grush,
Samuel K. Pickering.**WARD 5.**George W. Patterson, '52,
Wm. A. Richardson, '49, *Presid't*,
Patrick Conlan,
Jonathan Bowers.**WARD 6.**Caleb G. Weaver, '52,
William C. Parker, '52,
George F. Woods,
C. F. Blanchard.WILLIAM LAMSON, JR., *Clerk.*

1854.**Mayor:****SEWALL G. MACK, '43, '44, *'47, †'53.****Aldermen:**

Elisha Huntington, †'37, †'38, †'39, †'40,
 †'41, †'44, †'45, *'47, †'52, *'53,
 J. B. V. Coburn, *'52, *'53, res'd Jan.,
 Samuel K. Hutchinson, *'53,
 Ira Spalding, '42, '43, *'53,

Joseph White, *'53,
 Horatio Fletcher, '47,
 C. F. Blanchard, '53,
 Charles Sperry.

WILLIAM LAMSON, JR., City Clerk.**Common Council:****WARD 1.**

John C. Smith, '52, '53,
 Paul Hill, '52,
 Marcus A. Thomas, '53,
 Thomas Lennon.

WARD 2.

George W. Stanley, '53,
 William H. Gage,
 Amos A. Taylor,
 William H. Bradley.

WARD 3.

Calvin Philbrick, '53,
 Leonard Brown, '53, declined,
 Darius C. Brown, '51, '52, elected,
 Henry H. Wilder, '53,
 Peter O. C. Frawley.

WARD 4.

Henry C. Howe, '53,
 Joseph S. Grush, '53,
 Samuel K. Pickering, '53,
 Hubbard Wilson.

WARD 5.

William A. Richardson, '49, †'53,
President,
 Jonathan Bowers, '53,
 Patrick Conlan, '53,
 John C. Woodward.

WARD 6.

George F. Woods, '53,
 Charles S. Eastman,
 Levi H. Straw,
 William P. Webster.

LEONARD BROWN, Clerk.**1855.****Mayor:****AMBROSE LAWRENCE, '49, '51.****Aldermen:**

Wm. Fiske, '37, '38, '41, '50, *'51, *'52,
 Artemas L. Brooks, *'49,
 Daniel Woodward,
 Lorenzo G. Howe,

Andrew T. Nute,
 Abner Frost,
 William S. Johnston,
 Shadrach R. Brackett.

WILLIAM LAMSON, JR., City Clerk.**Common Council:****WARD 1.**

Maynard Bragg, '49, '50,
 Aaron B. Young,
 Augustus B. Roby,
 George L. Harris.

WARD 2.

William G. Morse,
 George K. Paul,
 Mark H. Cook,
 Joseph A. Patten.

WARD 3.

Alfred Gilman, '43, '48, '49, *President*,
 Daniel Hurd,
 Theodore Warren,
 Stephen K. Fielding.

WARD 4.

Joshua W. Daniels,
 John Bennett,
 Alanson Folsom,
 Francis H. Nourse.

WARD 5.

John C. Woodward, '54,
 Stephen Bartlett,
 Jonathan Johnson,
 Oliver P. Rand.

WARD 6.

Levi H. Straw, '54,
 William T. Whitten,
 Lucien P. Stacy,
 James M. Moore.

LEONARD BROWN, Clerk.

1856.**Mayor:**

ELISHA HUNTINGTON, †'37, †'38, †'39, †'40, †'41, †'44,
†'45, *'47, †'52, *'53, *'54.

Aldermen:

Edward Tuck,
Samuel Burbank, '40, '41, *'52,
Charles B. Coburn, '44,
William P. Webster, '54,
Hapgood Wright, '45, '46,

Charles H. Wilder, '37, '44, '45,
O. J. Conant, resigned in March,
James H. Rand,
Jonathan Johnson, elected in
June.

WILLIAM LAMSON, JR., *City Clerk.*

Common Council:**WARD 1.**

Enos O. Kingsley,
Abiel Pevey,
David M. Collins,
Marshall E. Thompson.

WARD 2.

Isaac Hinckley,
Seth Gage,
Peter Flanders, Jr.,
Leonard F. Jewell.

WARD 3.

David Rogers,
Benj. C. Sargeant, '51, †'52, *President*,
Henry H. Carroll,
Peter Powers.

WARD 4.

Francis H. Nourse, '55,
Alden B. Buttrick,
Holland Streeter, '51, '52,
James Sands.

WARD 5.

Frederick Holton,
Isaac Place,
Albert Wheeler,
Abiel Rolfe, '48, *'51.

WARD 6.

Eliphalet Hills,
Jonathan P. Folsom,
James K. Fellows, '37,
John K. Chase.

JAMES J. MAGUIRE, *Clerk.*

1857.**Mayor:**

STEPHEN MANSUR, '36, '39, *'40, *'47, *'53.

Aldermen:

Andrew T. Nute, *'55,
John C. Woodward, '54, '55,
Jonathan Smothers, '50, '51,
Samuel W. Stickney,

John B. Tuttle,
Francis H. Nourse, '55, '56,
Jonathan Johnson, '55, *'56,
John Nesmith, '39, '40, '42, '48,

WILLIAM LAMSON, JR., *City Clerk.*

Common Council:**WARD 1.**

Abiel Pevey,
Stephen T. Stanley,
Charles A. Welch,
George F. Scribner.

WARD 2.

William G. Morse, '55,
William D. Vinall,
Temple Tebbetts,
James M. Howe.

WARD 3.

Benjamin C. Sargeant, '51, †'52, †'56,
David Rogers, '56,
Henry H. Carroll, '56,
Nathan Allen.

WARD 4.

Caleb Crosby, '49, '50,
John F. Howe,
John C. Jepson,
Alanson Nichols.

WARD 5.

Frederick Holton, '56, *President*,
William H. Wiggin,
William Goodale,
Charles Hubbard.

WARD 6.

Erastus Boyden,
Jonathan Kimball,
Robert J. Garrett,
William Nichols.

HENRY A. LORD, *Clerk.*

1858.**Mayor:**

ELISHA HUNTINGTON, †'37, †'38, †'39, †'40, †'41, †'44,
†'45, *'47, †'52, *'53, *'54, †'56.

Aldermen:

Sewall G. Mack, '43, '44, *'47, †'53, †'54,
Samuel W. Stickney, *'57,
Abiel Pevey, '56, '57,
Jeremiah P. Jewett, '42,

Joseph M. Dodge, '37,
Harvey Silver,
Albert Wheeler, '56,
Edwin A. Alger.

JOHN H. McALVIN, *City Clerk.*

Common Council:**WARD 1.**

Charles Wilkins,
John M. Maynard,
John E. Webb,
William Barnard.

WARD 2.

Edward Tuck, *'56,
William P. Webster, '54, *'56,
Andrew Blood,
William F. Salmon.

WARD 3.

Benjamin C. Sargeant, '51, †'52, †'56,
'57, *President*,
Hanover Dickey,
Joseph A. Brabrook,
Benjamin S. Butterworth.

WARD 4.

Enoch P. Young,
Zephaniah Goward,
Jesse Blake,
John F. Howe, '57.

WARD 5.

Willard Dudley,
Samuel T. Manahan,
Isaac Page,
John Avery, 2d.

WARD 6.

William Nichols, '57,
Alpha B. Farr, resigned in Jan.,
Leonard Brown, '53, '54, elec'd Feb.
Erastus Boyden, '57,
James H. Rand, *'56, resign'd May,
Eben'r Burgess, elected in June.

GEORGE GARDNER, *Clerk.*

1859.**Mayor:**

JAMES COOK, '36, '53.

Aldermen:

Lorenzo G. Howe, *'55,
Samuel J. Varney, '50, '51, *'52,
Paul Hill, '52, '54,
Ambrose Lawrence, '49, '51, †'55, re-
signed in April,
Darius C. Brown, '51, '52,

John F. Howe, '57, '58,
Joshua Converse, '40, *'51, re'd Apr.
J. P. Folsom, '56, resign'd in April,
Edward Tuck, *'56, '58, elec'd May,
Sam'l T. Manahan, '58, elec'd May,
Jonathan Ladd, elected in May.

JOHN H. McALVIN, *City Clerk.*

Common Council:**WARD 1.**

John E. Webb, '58,
Charles Wilkins, '58,
William Barnard, '58,
William D. Blanchard.

WARD 2.

W. P. Webster, '54, *'56, '58, *President*,
William F. Salmon, '58,
James M. Howe, '57,
David Nichols.

WARD 3.

George Hobson,
Asahel D. Puffer,
John Willoughby,
Benjamin S. Butterworth, '58.

WARD 4.

Caleb Crosby, '49, '50, '57,
Jesse Blake, '58,
George W. Partridge,
George W. Young.

WARD 5.

Horatio G. F. Corliss, '44, '46,
Luther B. Morse,
Josiah G. Peabody, *'50,
William Goodale, '57.

WARD 6.

Charles A. Stott,
Levi Sprague,
Ebenezer Burgess, '58,
Leonard Brown, '53, '54, '58.

GEORGE GARDNER, *Clerk.*

1860.**Mayor:**

BENJAMIN C. SARGEANT, '51, †'52, †'56, '57, †'58.

Aldermen:

Edward F. Watson, '40, '41, *'44, *'45,
 Lorenzo G. Howe, *'55, *'59,
 James Watson, '50, '51,
 William G. Morse, '55, '57,

Henry H. Wilder, '53, '54,
 Abner Frost, *'55,
 Samuel T. Manahan, '58, *'59,
 William S. Gardner.

JOHN H. McALVIN, *City Clerk.***Common Council:****WARD 1.**

Benjamin S. Ireson,
 Enoch Quimby,
 John P. Slocum,
 Amos H. Foster.

WARD 2.

Henry P. Clough,
 Alfred S. Saunders, '49,
 Wm. F. Salmon, '58, '59, *President*,
 Joseph L. Sargent.

WARD 3.

George Hobson, '59,
 Josiah B. Fielding,
 Henry P. Perkins,
 Hocom Hosford.

WARD 4.

George W. Partridge, '59,
 George W. Young, '59,
 Morrill M. Bohonan,
 Caleb Crosby, '49, '50, '57, '59.

WARD 5.

Josiah G. Peabody, *'50, '59,
 Sullivan L. Ward,
 George F. Morey,
 William H. Lamson.

WARD 6.

William Nichols, '57, '58,
 Samuel T. Lancaster,
 Charles A. Stott, '59,
 Foster Nowell.

GEORGE GARDNER, *Clerk.***1861.****Mayor:**

BENJAMIN C. SARGEANT, '51, †'52, †'56, '57, †'58, †'60.

Aldermen:

Samuel T. Manahan, '58, *'59, *'60,
 Jonathan P. Folsom, '56, *'59,
 James Watson, '50, '51, *'60,
 William G. Morse, '55, '57, *'60,
 Hocom Hosford, '60,

Aldis L. Waite,
 David Whitney, declined accept-
 ance,
 Sager Ashworth, elected in May,
 William S. Gardner, *'60.

JOHN H. McALVIN, *City Clerk.***Common Council:****WARD 1.**

Frank E. Jewett,
 M. Gilbert Perkins,
 Jacob Baron,
 William D. Blanchard, '59.

WARD 2.

Alfred S. Saunders, '49, '60,
 Joseph L. Sargent, '60,
 Henry P. Clough, '60,
 Henry S. Orange.

WARD 3.

William L. North, *President*,
 George W. Norris,
 Henry P. Perkins, '60,
 James G. Morrison.

WARD 4.

Joseph Cater,
 Joseph B. Keyes,
 Morrill M. Bohonan, '60,
 Abel M. Ayer.

WARD 5.

Sullivan L. Ward, '60,
 Samuel Beck,
 William H. Parker,
 George F. Morey, '60.

WARD 6.

Samuel T. Lancaster, '60,
 Foster Nowell, '60,
 Elon A. Sanborn,
 George E. Dana.

GEORGE GARDNER, *Clerk.*

1862.**Mayor:****HOCUM HOSFORD, '60, *'61.****Aldermen:**

Mertoun C. Bryant,
 Edwin A. Alger, *'58,
 James B. Francis, *'49, *'50,
 William A. Burke,

Isaac F. Scripture,
 Aldis L. Waite, *'61,
 Albert Wheeler, '56, *'58,
 Jona. P. Folsom, '56, *'59, *'61.

JOHN H. McALVIN, City Clerk.**Common Council:****WARD 1.**

Amos D. Wright,
 Frank E. Jewett, '61,
 Horatio G. Burgess,
 Charles F. Hard.

WARD 2.

Benedict O. Carpenter,
 William T. McNeill,
 Lorenzo G. Howe, *'55, *'58, *'60,
 Henry S. Orange, '61.

WARD 3.

George W. Norris, '61,
 Edmund D. Fletcher,
 Everett W. French,
 John Quinn.

WARD 4.

Joseph B. Keyes, '61,
 George Runels,
 John Pettingell,
 Hubbard Willson, '54.

WARD 5.

Rollin C. Downs,
 Albert Mallard, '50, '51,
 Edward Fifield, '51, '52,
 Cleveland J. Cheney.

WARD 6.

Geo. F. Richardson, *President*,
 Albion J. Dudley,
 Elon A. Sanborn, '61,
 Frederick Frye.

GEORGE GARDNER, Clerk.**1863.****Mayor:****HOCUM HOSFORD, '60, *'61, †'62.****Aldermen:**

James B. Francis, *'49, *'50, *'62,
 Edwin A. Alger, *'58, *'62,
 Abiel Pevey, '56, '57, *'58,
 William A. Burke, *'62,

Isaac F. Scripture, *'62,
 Otis Allen, '43, '48,
 Albert Wheeler, '56, *'58, *'62,
 William Nichols, '57, '58, '60.

JOHN H. McALVIN, City Clerk.**Common Council:****WARD 1.**

Charles F. Hard, '62,
 Amos D. Wright, '62,
 John Cosgrove,
 William A. Wright.

WARD 2.

George F. Sawtell,
 Henry S. Orange, '61, '62,
 Hugh McEvoy,
 Nathaniel Stearns.

WARD 3.

Everett W. French, '62,
 Fordyce Coburn, '50, '51,
 Edmund D. Fletcher, '62,
 John Quinn, '62.

WARD 4.

Atwell F. Wright,
 Josiah Gates,
 William Stafford,
 John McCann.

WARD 5.

James C. Ayer,
 Charles W. Saunders,
 Cyrus H. Latham,
 John E. Downs.

WARD 6.

Geo. F. Richardson, †'62, *Pres.*,
 Albion J. Dudley, '62,
 Benedict O. Carpenter, '62,
 Frederick Frye, '62.

GEORGE GARDNER, Clerk.

1864.**Mayor:**

HOCUM HOSFORD, '60, *'61, †'62, †'63.

Aldermen:

William S. Southworth,
James B. Francis, *'49, *'50, *'62, *'63,
Dana B. Gove,
William T. McNeill, '62,

George W. Norris, '61, '62,
George Runels, '62,
Cyrus H. Latham, '63,
George F. Richardson, †'62, †'63.

JOHN H. MCALVIN, *City Clerk.***Common Council:****WARD 1.**

Alden B. Watson,
Lewis L. Perrin,
Frederick S. Tukey,
John Cosgrove, '63.

WARD 2.

George Ripley, *President*,
Andrew F. Jewett,
Artemas S. Young,
Hoyt W. Hilton.

WARD 3.

Samuel N. Wood,
Charles W. Dodge,
Joseph S. Pollard,
James G. Morrison, '61.

WARD 4.

Atwell F. Wright, '63,
Daniel Churchill,
William W. Sherman,
Francis Jewett.

WARD 5.

John E. Downs, '63,
Thos. G. Gerrish, res'd June 14,
Charles Hubbard, '57,
Cleveland J. Cheney, '62.

WARD 6.

Levi Sprague, '59,
Tobias L. P. Lamson,
Addison Putnam,
Albion J. Dudley, '62, '63.

GEORGE GARDNER, *Clerk.***1865.****Mayor:**

JOSIAH G. PEABODY, *'50, '59, '60.

Aldermen:

Ew'd F. Watson, '40, '41, *'44, *'45, *'60,
George W. Norris, '61, '62, *'64,
Dana B. Gove, *'64,
William T. McNeill, '62, *'64,

Henry H. Wilder, '53, '54, *'60,
Josiah Gates, '63,
Cyrus H. Latham, '63, *'64,
William Brown, '45, '46.

JOHN H. MCALVIN, *City Clerk.***Common Council:****WARD 1.**

Alden B. Watson, '64,
Lewis L. Perrin, '64,
George N. Osgood,
John R. Southwick, '47.

WARD 2.

George Ripley, †'64, *President*,
Andrew F. Jewett, '64,
Julian V. Keyes,
Chester W. Rugg.

WARD 3.

Joseph S. Pollard, '64,
Charles W. Dodge, '64,
Edward C. Rice,
Frederick T. North.

WARD 4.

Francis Jewett, '64,
Benjamin Walker,
Benjamin L. Googins,
John Pearson.

WARD 5.

Charles Hubbard, '57, '64,
James Kent,
Simeon D. Osterhoudt,
James Foster.

WARD 6.

Tobias L. P. Lamson, '64,
Luke C. Dodge,
Gustavus A. Gerry,
James M. Moore, '55.

GEORGE GARDNER, *Clerk.*

1866.**Mayor:**

JOSIAH G. PEABODY, *'50, '59, '60, †'65.

Aldermen:

Samuel A. Brown,
 Albert B. Plimpton,
 John R. Southwick, '47, '65,
 Joseph L. Sargent, '60, '61,

Charles W. Dodge, '64, '65,
 Josiah Gates, '63, *'65,
 Henry M. Hooke,
 Albion J. Dudley, '62, '63, '64.

JOHN H. MCALVIN, *City Clerk.***Common Council:****WARD 1.**

William A. Hodge,
 William A. Wright, '63,
 Jacob Baron, '61,
 Rollin C. Downs, '62.

WARD 2.

Andrew F. Jewett, '64, '65,
 George H. Whitmore,
 Julian V. Keyes, '65,
 Chester W. Rugg, '65.

WARD 3.

Edward C. Rice, '65,
 Frederick T. North, '65,
 James N. Pinkham,
 Oliver W. Smith.

WARD 4.

Benjamin L. Googins, '65,
 Alfred Scott,
 Thomas F. Burgess,
 Benjamin Walker, '65.

WARD 5.

Robert H. Butcher,
 John T. Lee,
 George L. Huntoon,
 Jonathan Johnson, '55, *'56, *'57.

WARD 6.

Gustavus A. Gerry, '65, *President*,
 Luke C. Dodge, '65,
 Charles A. Kimball,
 Alfred H. Chase.

GEORGE GARDNER, *Clerk.***1867.****Mayor:**

GEORGE F. RICHARDSON, †'62, †'63, *'64.

Aldermen:

Charles B. Coburn, '44, '51, *'56,
 Hocum Hosford, 60, *'61, †'62, †'63, †'64,
 John R. Southwick, '47, '65, *'66,
 Joseph L. Sargent, 60, '61, *'66,
 Edward C. Rice, '65, '66,

Abner W. Buttrick, '40, '44, '45, '50;
 died June 29, '67.
 Wm. E. Livingston, el. Sept. 9, '67.
 Wm. H. Parker, '61,
 Albion J. Dudley, '62, '63, '64, *'66.

JOHN II. MCALVIN, *City Clerk.***Common Council:****WARD 1.**

John Shepard,
 Calvin Sawtell,
 Foster Wilson,
 M. Gilbert Perkins, '61.

WARD 2.

Gustavus A. Gerry, '65, †'66, *President*,
 Ruel J. Walker,
 William Dobbins,
 Silas Tyler, Jr.

WARD 3.

Jona. P. Folsom, '56, *'59, *'61, *'62,
 Frederick T. North, '65, '66,
 Samuel D. Prescott,
 Nathan M. Wright.

WARD 4.

John B. Hunt,
 John Q. A. Hubbard,
 Alfred Scott, '66,
 Thomas F. Burgess, '66.

WARD 5.

George L. Huntoon, '66,
 George S. Cheney,
 James Foster, '65,
 John T. Lee, '66.

WARD 6.

Alfred H. Chase, '66,
 James Lawton,
 John N. Peirce, Jr.,
 Foster Nowell, '60, '61, resigned
 May 14, '67.
 Wm. Kittredge, elected Sept. 9, '67.

GEORGE GARDNER, *Clerk.*

1868.**Mayor:**

GEORGE F. RICHARDSON, †'62, †'63, *'64, †'67.

Aldermen:

Charles B. Coburn, '44, '51, *'56, *'67.
Francis Jewett, '64, '65,
John M. Pevey, resigned in July.
Charles L. Hildreth, elected in Sept.
Silas Tyler, Jr., '67.

Edward C. Rice, '65, '66, *'67,
William E. Livingston, *'67,
Frederic Frye, '62, '63,
Albion J. Dudley, '62, '63, '64, *'66,
*'67.

JOHN H. McALVIN, *City Clerk.*

Common Council:**WARD 1.**

Calvin Sawtell, '67,
John Shepard, '67,
John F. Merrill,
Frederic T. Greenhalge.

WARD 2.

Francis D. Munn,
Joseph A. Patten, '55,
Ruel J. Walker, '67,
Henry S. Orange, '61, '62, '63.

WARD 3.

George W. Badger,
Samuel D. Prescott, '67,
William Walker,
Albert A. Haggett.

WARD 4.

William H. Anderson,
John Q. A. Hubbard, '67,
Charles T. Crane,
John B. Hunt, '67.

WARD 5.

Edwin Lamson,
George S. Cheney, '67.
William Kelley,
Ethan N. Spencer.

WARD 6.

John N. Peirce, Jr., '67,
James Lawton, '67,
Francis Brown,
Alfred H. Chase, '66, '67, *President.*

GEORGE GARDNER, *Clerk.*

1869.**Mayor:**

JONATHAN P. FOLSOM, '56, *'59, *'61, *'62, '67.

Aldermen:

Francis Jewett, '64, '65, *'68,
Henry H. Wilder, '53, '54, *'60, *'65,
Charles L. Hildreth, *'68,
Cyrus H. Latham, '63, *'64, *'65.

Hapgood Wright, '45, '46, *'56,
John Q. A. Hubbard, '67, '68,
George S. Cheney, '67, '68,
Charles A. Stott, '59, '60.

JOHN H. McALVIN, *City Clerk.* Resigned March 15, 1869.

SAMUEL A. McPHETRES, *City Clerk.* Elected March 15, 1869.

Common Council:**WARD 1.**

Frederic T. Greenhalge, '68,
John H. Durgin, Jr.,
Patrick Keyes,
Benjamin Patch.

WARD 2.

Joseph A. Patten, '55, '68,
Phineas Jones,
Francis D. Munn, '68,
Amos Sanborn.

WARD 3.

George W. Badger, '68,
Albert A. Haggett, '68,
William Walker, '68,
George E. Pinkham.

WARD 4.

William H. Anderson, '68, *Pres.*,
Simeon G. Lyford,
Henry P. Carter,
Epaphras A. Hill.

WARD 5.

William Kelley, '68,
Willard A. Brown,
William O. Fiske,
Edwin Lamson, '68.

WARD 6.

Francis Brown, '68,
Alpha B. Farr, '58,
Lucian P. Stacy, '55,
William Kittredge, '67.

GEORGE GARDNER, *Clerk.*

1870.**Mayor:**

JONATHAN P. FOLSOM, '56, *'59, *'61, *'62, '67, †'69.

Aldermen:

Edward F. Sherman,
Frank F. Battles,
Charles L. Hildreth, *'68, *'69.
Amos B. French,

Hapgood Wright, '45, '46, *'56, *'69.
John Q. A. Hubbard, '67, '68, *'69.
Addison Putnam, '64.
Charles A. Stott, '59, '60, *'69.

SAMUEL A. MCPHETRES, *City Clerk.*

Common Council:**WARD 1.**

John H. Durgin, Jr., '69.
Benjamin Patch, '69.
Patrick Keyes, '69.
Samuel G. Ladd.

WARD 2.

Phineas Jones, '69.
John L. Moulton,
Patrick Cummiskey,
David G. Skillings,

WARD 3.

Albert A. Haggett, '68, '69, *President.*
Henry P. Perkins, '60, '61.
Hocum Hosford, '60, *'61, †'62, †'63,
†'64, *'67, declined.
Matthew Donovan,
John L. Meadowcroft, elected Jan. 24.

WARD 4.

Epaphras A. Hill, '69.
Henry P. Carter, '69.
Simeon G. Lyford, '69.
Michael Corbett.

WARD 5.

William O. Fiske, '69.
Willard A. Brown, '69.
James D. Hartwell,
Jeremiah Crowley.

WARD 6.

Alpha B. Farr, '58, '69.
William Kittredge, '67, '69.
Lucian P. Stacy, '55, '69.
John Stott.

GEORGE GARDNER, *Clerk.*

1871.**Mayor:**

EDWARD F. SHERMAN, *'70.

Aldermen:

Frank F. Battles, *'70,
William F. Salmon, '58, '59, †'60,
John W. Smith, '49, '50,
Amos B. French, *'70,

Albert A. Haggett, '68, '69, †'70,
Henry C. Howe, '53, '54,
Frederick Ayer,
Addison Putnam, '64, *'70.

SAMUEL A. MCPHETRES, *City Clerk.*

Common Council:**WARD 1.**

John H. Durgin, Jr., '69, '70,
Samuel G. Ladd, '70,
Francis N. J. Haviland,
Joel Knapp.

WARD 2.

William Dobbins, '67,
John L. Moulton, '70,
Patrick Cummiskey, '70,
Amos A. Blanchard.

WARD 3.

Henry P. Perkins, '60, '61, '70, *Pres.*
John L. Meadowcroft, '70,
Horace Ela,
Julius C. Jockow.

WARD 4.

Benj. Walker, '65, '66,
Michael Corbett, '70,
Francis H. Chandler,
Charles T. Goddard.

WARD 5.

Jeremiah Crowley, '70,
Crawford Burnham,
Henry C. Church,
Patrick Lynch.

WARD 6.

Leonard Brown, '53, '54, '58, '59,
John Stott, '70,
Abel T. Atherton,
Nathaniel C. Sanborn.

GEORGE GARDNER, *Clerk.*

1872.**Mayor:****JOSIAH G. PEABODY**, * '50, '59, '60, † '65, † '66.**Aldermen:**

Henry C. Howe, '53, '54, * '71,	Frederick T. North, '65, '66, '67,
Alexander G. Cumnock,	Benj. Walker, '65, '66, '71,
Benjamin Patch, '69, '70,	William Kelley, '68, '69,
Gustavus A. Gerry, '65, † '66, † '67,	Alpha B. Farr, '58, '69, '70,

SAMUEL A. MCPHETRES, *City Clerk*.**Common Council:****WARD 1.**John E. Webb, '58, '59,
Alonzo F. Caswell,
Southwell Farrington,
True P. Jordan.**WARD 2.**Leonard Brown, '53, '54, '58, '59, '71,
Amos A. Blanchard, '71,
Joseph S. Brown,
Earl A. Thissell.**WARD 3.**Henry P. Perkins, '60, '61, '70, † '71,
Horace Ela, '71, [Pres.
Julius C. Jockow, '71,
Charles F. Tilton.**WARD 4.**Nathaniel P. Favor,
Nathan W. Frye,
Henry A. Lord,
Alonzo L. Russell.**WARD 5.**Crawford Burnham, '71,
Charles F. Belden,
Luther J. Eames,
William Shepard.**WARD 6.**Abel T. Atherton, '71,
Nathaniel C. Sanborn, '71,
Samuel M. Chase,
Julian Talbot.GEORGE GARDNER, *Clerk*.**1873.****Mayor:****FRANCIS JEWETT**, '64, '65, * '68, * '69.**Aldermen:**

Jonathan P. Folsom, '56, * '59, * '61,	Charles A. F. Swan, elected Jan. 14,
* '62, '67, † '69, † '70,	Jacob H. Sawyer,
George Runels, '62, * '64,	Jeremiah Crowley, '70, '71,
Edward Tuck, * '56, '58, * '59, declin'd,	Alpha B. Farr, '58, '69, '70, * '72,
Isaac Farrington, '46, '47, declined,	George Stevens.
William Dobbins, '67, '71, elec. Jan. 14,	

SAMUEL A. MCPHETRES, *City Clerk*.**Common Council:****WARD 1.**John E. Webb, '58, '59, '72,
Alonzo F. Caswell, '72,
Frank Brady,
Stephen J. Smiley,**WARD 2.**Joseph S. Brown, '72,
Earl A. Thissell, '72,
Daniel Stickney,
Edward P. Woods.**WARD 3.**Albert A. Haggett, '68, '69, † '70, * '71,
Charles F. Tilton, '72, resig'd Mar. 1,
William Bass,
James Owens,
James A. Loughlin, elected April 8.

[Pres.

WARD 4.Atwell F. Wright, '63, '64,
Nathaniel P. Favor, '72,
Nathan W. Frye, '72,
Henry A. Lord, '72.**WARD 5.**Robert H. Butcher, '66,
Charles F. Belden, '72,
Jared P. Maxfield,
George Smith.**WARD 6.**Nathaniel C. Sanborn, '71, '72,
Samuel M. Chase, '72,
George W. S. Hurd,
Artemas S. Tyler.GEORGE GARDNER, *Clerk*.

1874.

Mayor:

FRANCIS JEWETT, '64, '65, *'68, *'69, †'73.

Aldermen:

Jeremiah Crowley, '70, '71, *'73,
 Benj. Walker, '65, '66, '71, *'72,
 Alonzo F. Caswell, '72, '73,
 Joseph S. Brown, '72, '73,

Jonathan Kendall, '42, '44, '52,
 George L. Huntoon, '66, '67,
 Nathaniel C. Sanborn, '71, '72, '73,
 George Stevens, *'73.

SAMUEL A. MCPHETRES, *City Clerk*.**Common Council:****WARD 1.**

Charles A. Welch, '57,
 Frank Brady, '73,
 Stephen J. Smiley, '73,
 Charles H. Harvey.

WARD 2.

Daniel Stickney, '73,
 Edward P. Woods, '73,
 Charles J. Eastman,
 Edward E. Reed.

WARD 3.

Julius C. Jockow, '71, '72,
 James Owens, '73,
 James A. Loughlin, '73,
 George W. Tilton.

WARD 4.

Charles T. Goddard, '71,
 Nathan W. Frye, '72, '73, *President*,
 Jacob H. Sawyer, *'73,
 Julian A. Richardson.

WARD 5.

Jared P. Maxfield, '73,
 John B. Lyford,
 Samuel P. Marin,
 John Scott.

WARD 6.

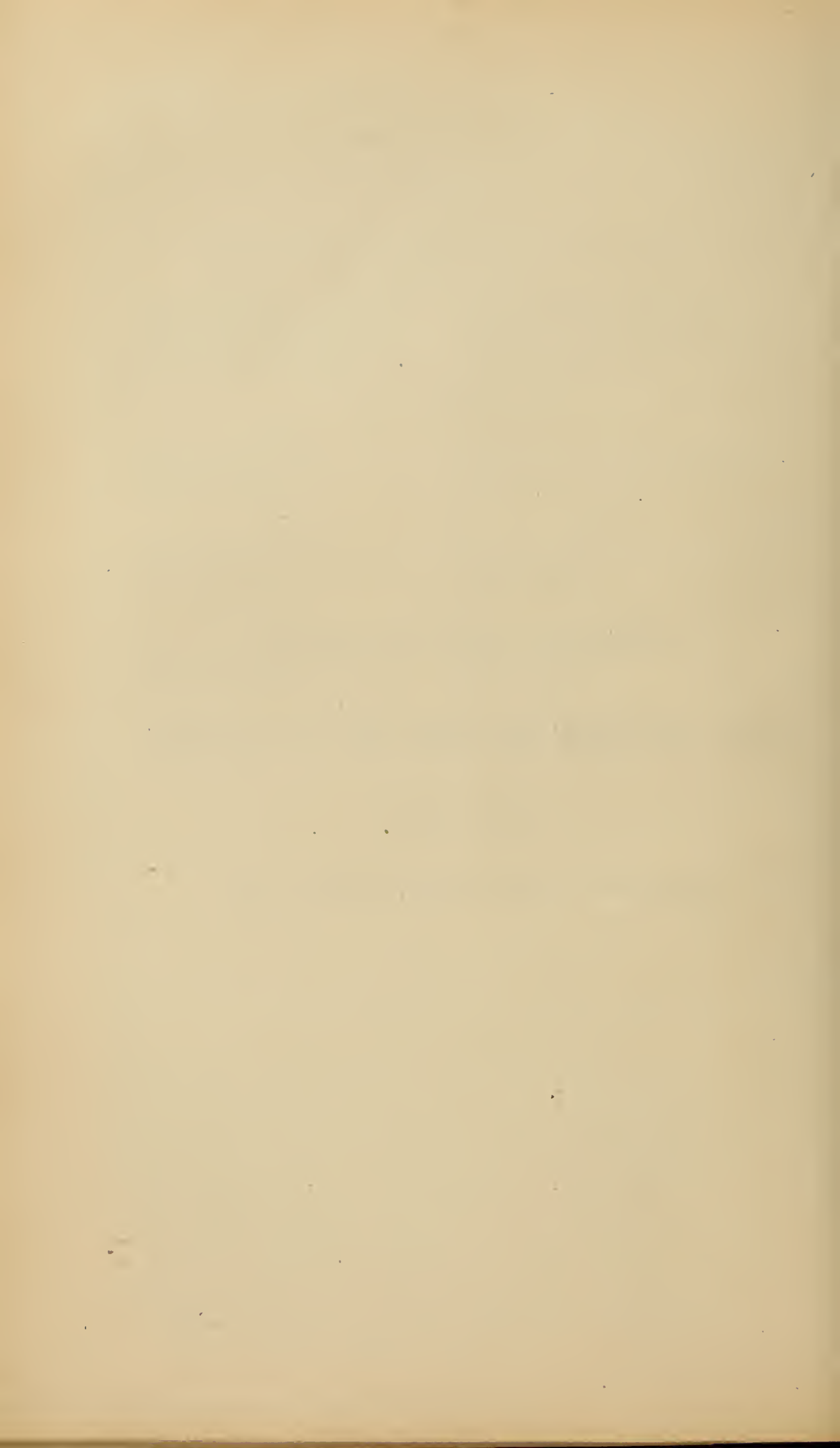
George W. S. Hurd, '73,
 Joel A. Abbott,
 Thomas Carolin,
 Jason Fuller.

GEORGE GARDNER, *Clerk*, died May 29.DAVID CHASE, *Clerk*, elected June 4.

SPECIAL AND GENERAL
LAWS RELATING TO THE CITY OF LOWELL

(NOW IN FORCE),

PASSED OR ACCEPTED SINCE OCTOBER 28, 1863.



AN ACT

IN RELATION TO STATIONARY ENGINES.

Be it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same, as follows :

SECTION 1. No stationary engine, propelled by steam or other motive-power, shall be hereafter erected or put up for use in any city or town within five hundred feet of any dwelling-house or public building, unless a license therefor shall have been first granted in the manner provided in chapter eighty-eight of the General Statutes, in respect to licenses of steam engines, furnaces and boilers ; and such license shall be applied for, granted and recorded in manner as therein provided.

SECTION 2. Any stationary engine hereafter erected, without such license, shall be deemed a common nuisance, and the Mayor and Aldermen, or Selectmen, shall have like authority to remove the same, as is given to them by section forty of said chapter.

SECTION 3. This act shall not be in force in any city or town until it has been adopted at a legal meeting of the City Council of the city, or of the inhabitants of the town called for that purpose.

SECTION 4. This act shall take effect upon its passage.

Approved March 20, 1862.

NOTE. The foregoing Act was accepted for the City of Lowell, by a Resolution of the City Council, passed April 10, 1866.

AN ACT

IN ADDITION TO "AN ACT FOR SUPPLYING THE CITY OF LOWELL
WITH PURE WATER."

*Be it enacted by the Senate and House of Representatives, in General
Court assembled, and by the authority of the same, as follows:*

SECTION 1. The commissioners authorized by the fifth section of the four hundred and thirty-fifth chapter of the acts of the year eighteen hundred and fifty-five, shall not exceed three in number, and shall hold their offices for three years, unless the work contemplated in said act shall be sooner completed. Said commissioners shall, during their continuance in office, execute, perform, superintend and direct the execution and performance of all works, matters and things mentioned in said act, and in all other acts that may be passed relative to the same subject, and they shall obey all ordinances, rules and regulations, in the execution of their said trust, as the City Council of Lowell may from time to time ordain and establish, not inconsistent with the provisions of said act, and shall once in six months, and whenever required by the City Council, make and present in writing a particular report and statement of all their acts and proceedings, and of the condition and progress of the works aforesaid. A majority of said commissioners shall be a quorum for the exercise of the powers and the performance of the duties of the said office; they may be removed by a concurrent vote of two-thirds of each branch of the City Council, after having an opportunity to be heard in their defence; and a vacancy occasioned by death, resignation or removal, shall be filled in manner aforesaid, by the appointment of another commissioner, who shall hold his said office for the residue of the term of three years.

SECTION 2. This act shall take effect upon its passage.

Approved April 30, 1866.

A N A C T

CONCERNING SHADE AND ORNAMENTAL TREES STANDING IN
HIGHWAYS AND STREETS.

Be it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same, as follows :

SECTION 1. No person who has by law a right to cut down or remove any ornamental or shade trees standing in any highway, town way or street, shall exercise such right without first giving notice of his intention to one of the Selectmen of the town or Mayor of the city in which the tree stands ; and, if the Selectmen of the town or Mayor and Aldermen of the city desire to retain the tree, they shall give notice thereof to such person within ten days after his notice to them ; and in that case, the same course shall be taken and the same rules apply as to the assessment, appeal and final determination and payment of the damage such person may suffer by the retaining of said tree, as in the case of damage done by an alteration in such highway, town or street.

SECTION 2. If any such person shall cut down, remove or injure such tree without first giving the notice required in the foregoing section, or in violation of any of the provisions thereof, or of the rights of the city or town acquired thereunder to maintain the same, he shall suffer the penalty provided for the injury or destroying of ornamental or shade trees in the seventh section of the forty-sixth chapter of the General Statutes, and the penalty in such case shall accrue to the town or city.

SECTION 3. This act shall not be in force in any town or city until it shall be accepted by a majority of the legal voters in such town at a meeting legally called therefor, or by the City Council.

SECTION 4. This act shall take effect upon its passage.

Approved May 16, 1867.

NOTE. The foregoing Act was accepted for the City of Lowell, by a Resolution of the City Council, passed May 28, 1867.

AN ACT

CONCERNING THE APPOINTMENT OF POLICE OFFICERS IN CITIES.

Be it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same, as follows :

SECTION 1. The Mayor and Aldermen of the several cities may at any time appoint police officers, with all or any of the powers of constables, except the power of serving and executing civil processes, who shall hold their offices during the pleasure of the Mayor and Aldermen.

SECTION 2. This act shall take effect upon its passage.

Approved May 27, 1867.

AN ACT

TO AMEND "AN ACT ENTITLED AN ACT TO ESTABLISH A FIRE DEPARTMENT IN THE TOWN OF LOWELL."

Be it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same, as follows :

SECTION 1. The chief engineer and the assistant engineers of the fire department in the city of Lowell may be removed at any time by the Mayor and Aldermen.

SECTION 2. This act shall take effect upon its passage.

Approved March 23, 1868.

AN ACT

IN ADDITION TO "AN ACT FOR SUPPLYING THE CITY OF LOWELL
WITH WATER."

*Be it enacted by the Senate and House of Representatives, in General
Court assembled, and by the authority of the same, as follows :*

SECTION 1. The city of Lowell is hereby authorized to take, hold and convey to, into and through the said city from Beaver Brook, so-called, in the town of Dracut, Long Pond, in Dracut, and Tyng's Pond, in Dracut and Tyngsborough, and the waters which flow into and from the same, sufficient water for the use of said city, and the inhabitants thereof, for the extinguishment of fires, creating steam, domestic and other purposes; and may also take and hold, by purchase or otherwise, any lands or real estate necessary for laying and maintaining aqueducts or pipes for conducting, discharging, disposing of and distributing water, constructing and maintaining reservoirs, dams, and such other works as may be deemed necessary or proper for raising, forcing, retaining, distributing, discharging or disposing of said water; and may take and hold any land on and around said ponds and Beaver Brook, for the purpose of raising water to such height as may be necessary for the purity and preservation of the same, and for the purpose of furnishing a supply of pure water for the said city of Lowell.

SECTION 2. The city of Lowell shall, within sixty days from the time they shall take any lands, ponds or streams of water for the purposes of this act, file in the office of the registry of deeds for the northern district of Middlesex, a description of the lands, ponds, or streams of water so taken as certain as is required in a common conveyance of lands, and a statement of the purposes for which they were taken, which description and statement shall be signed by the Mayor of said city.

SECTION 3. The said city may make, build, lay down and maintain aqueducts and pipes from any of said sources to, into, through and about said city, and secure and maintain the same by any works suitable therefor; may connect said Tyng's Pond and Long Pond.

with each other; may erect and maintain dams to raise and retain the water taken; may construct and maintain reservoirs within or without said city; and may make, erect and maintain and carry on such other works as may be necessary or proper for raising the water into the same, and forcing and distributing the water through and about said city; may make and establish such public fountains and hydrants in such places as may from time to time be deemed proper and prescribe the purposes for which the same may be used, and may change or discontinue the same; may distribute the water throughout the city, and for this purpose may lay down pipes to any house or building in said city, the owner or owners thereof having notice, and not objecting thereto; may regulate the use of said water, within and without the said city, and establish, receive and collect the prices or rents to be paid therefor; and the said city may, for the purposes aforesaid, carry and conduct and maintain any aqueducts, pipes or other works by them to be made, laid down or conducted over, under, through, or across any water-course, canal, street, bridge, railroad, highway, or other way, in such a manner as not to obstruct the travel or free use thereof; may enter upon and dig up any such road, street, or way for the purpose of laying down pipes beneath the surface thereof, and for maintaining and repairing the same, and in general may do any other acts and things necessary or convenient and proper for carrying out the purposes of this act.

SECTION 4. All pipes, aqueducts, and other works constructed or erected by said city, by virtue of this act, in, under or over any of the canals of "The Proprietors of the Locks and Canals on Merrimack River," shall be so constructed, erected and laid, as, when completed, not to obstruct the navigation in said canals, or either of them, or to interrupt or impede the flow of the water in the same.

SECTION 5. The rights, powers and authorities given to the city of Lowell by this act, shall be exercised by the said city, subject to the restrictions, duties and liabilities, herein contained, in such manner and by such commissioners, officers, agents and servants as the City Council shall from time to time ordain, appoint and direct.

SECTION 6. For the purposes of defraying the expenses which may be incurred by the city of Lowell in carrying into effect the powers granted by this act, the said city of Lowell shall have authority, from time to time, to borrow such sum or sums of money, and to issue notes, scrip or certificates of debt therefor, as the City Council of Lowell shall from time to time deem expedient, bearing interest not exceeding the rate of six per cent. per annum; and the principal shall be made payable at periods not more than twenty years from

the issuing of said notes, scrip, or certificates of debt, respectively ; and the City Council may sell the same or any part thereof, from time to time at public or private sale, or pledge the same for money borrowed for the purposes of this act, on such terms and conditions as the City Council shall judge proper. And the City Council of the said city is hereby authorized from time to time, to appropriate, grant and assess such sum or sums of money as shall be deemed expedient towards paying said expenses, or the principal of the money so borrowed or obtained, and the interest thereof, in the same manner as money is appropriated, granted and assessed for other city purposes.

SECTION 7. All persons and corporations who shall be damaged in their property by the taking of any lands or water, the building of reservoirs, aqueducts or water works, or the laying of pipes, or in any other way, in carrying into effect the powers hereby granted to the city of Lowell, unless the said city shall, within sixty days after request in writing made to the Mayor of said city, pay or tender to the person or corporation so damaged a reasonable compensation therefor, shall have the same remedies as are provided in the forty-third chapter of the General Statutes for persons damaged by the laying out of highways.

SECTION 8. If any person shall use any of the said water, either within or without said city, without the consent of said city, an action of tort may be maintained by said city for the recovery of the damages sustained.

SECTION 9. If any person wantonly or maliciously shall divert the water from, or corrupt the water in, or destroy or injure any aqueduct, reservoir, pipe, conduit, hydrant, machine, or other works or property held, owned or used by the said city of Lowell, by the authority and for the purposes of this act, every such person or persons shall forfeit and pay to the said city three times the amount of damages that shall be assessed therefor, to be recovered by any proper action ; and every such person or persons may, moreover, on indictment for, and conviction of, either of the wanton or malicious acts aforesaid, be punished by fine, not exceeding one thousand dollars, and imprisonment not exceeding one year.

SECTION 10. This act shall take effect upon its passage.

Approved June 4, 1869.

AN ACT

IN ADDITION TO "AN ACT CONCERNING JUVENILE OFFENDERS IN
THE CITY OF LOWELL."

*Be it enacted by the Senate and House of Representatives, in General
Court assembled, and by the authority of the same, as follows:*

Whoever being lawfully committed to the House of Employment and Reformation, under the provisions of chapter two hundred and forty-seven of the acts of eighteen hundred and forty-five, escapes therefrom, shall upon conviction thereof before the court which originally committed, or before the police court of Lowell, be sentenced to be committed to said House of Employment and Reformation for a term not exceeding in length the term of the original sentence; *provided, however*, that this act shall not authorize the commitment of any person to said House, to extend beyond the period of his minority.

Approved June 9, 1869.

AN ACT

TO AMEND CHAPTER THREE HUNDRED AND FIFTY-ONE OF THE ACTS OF THE YEAR EIGHTEEN HUNDRED AND SIXTY-NINE, FOR SUPPLYING THE CITY OF LOWELL WITH WATER.

Be it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same, as follows :

SECTION 1. The city of Lowell, for the purposes named in the first section of chapter three hundred and fifty-one of the acts of the year eighteen hundred and sixty-nine, is hereby authorized to take water from the Merrimack River, in the town of Dracut, or said Lowell, and also to take and hold, by purchase or otherwise, land in said Dracut or Lowell, for sinking wells or making excavations, in order to obtain water by filtration or percolation, or from subterranean streams, and for the construction of such works as may be necessary therefor, and for all other purposes for which said city might take or hold land under the provisions of said act, in case the water were taken from the sources in said act authorized.

SECTION 2. Nothing in this act shall authorize the construction of any work which, when completed, shall obstruct the flow of the water of said river (not taken as herein authorized), to or from any water mill now existing in said Lowell. And in the event that under authority of this act, water shall be taken from said river at any place above the dam of The Proprietors of Locks and Canals on Merrimack River, nothing herein shall authorize the use of water so taken, as or for power for propelling or operating machinery, otherwise than as steam.

SECTION 3. In the execution of the authority hereby granted, all the proceedings, rights, powers and liabilities shall, except as herein otherwise provided, be the same, and all persons and corporations, who shall be damaged in their property thereby, shall have the same remedies provided in said act of the year eighteen hundred and sixty-nine, in case the water were taken from the sources in said act authorized.

SECTION 4. If any person wantonly or maliciously shall divert the water from, or corrupt the water in, or destroy or injure any aqueduct, reservoir, pipe, conduit, hydrant, machine or other works and property held, owned, or used by the said city of Lowell, by the authority and for the purposes of this act, every such person or persons shall forfeit and pay to the said city three times the amount of damages that shall be assessed therefor, to be recovered by any proper action; and every such person or persons may, moreover, on indictment for, and conviction of, either of the wanton or malicious acts aforesaid, be punished by fine not exceeding one thousand dollars, and imprisonment not exceeding one year.

SECTION 5. This act shall take effect upon its passage.

Approved June 3, 1870.

AN ACT

IN RELATION TO BETTERMENTS.

[See Chapter 382 of the Acts of 1871.]

AN ACT

RELATING TO CONTRACTS WITH OFFICERS OF CITIES.

Be it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same, as follows :

SECTION 1. No member of the City Council of any city, or either branch thereof, or any officer chosen or appointed by the Mayor, City Council, or either branch thereof, or by the legal voters, shall be interested in a private capacity, either directly or indirectly, in any contract or agreement for labor, or for any materials, goods, wares or merchandise furnished to such city, wherein such city is a party interested ; nor shall either directly or indirectly for himself or any other person, receive any commission, discount, bonus, present or reward from the person or persons making such contract or agreement, or furnishing such materials, goods, wares and merchandise.

SECTION 2. Whoever violates the provisions of this act shall be punished by a fine of not less than fifty dollars nor more than one thousand dollars, or by fine and imprisonment not exceeding one year, at the discretion of the court.

Approved April 29, 1872.

EXTRACT FROM CHAPTER 19.—GENERAL STATUTES.

SECTION 6. If, at or after the time for the Mayor and Aldermen of a city to enter upon the discharge of their duties, it appears that the Mayor or the full number of Aldermen are not elected, such of said officers as are elected, shall issue warrants for the election of a Mayor or such Aldermen as may be necessary. If neither of said officers is elected, the President of the Common Council shall issue such warrants.

SECTION 7. If by reason of non-election there is no Mayor of a city, the chairman of the Board of Aldermen shall discharge the duties of the office until a Mayor is chosen and sworn.

SECTION 8. When it appears to the Mayor and Aldermen, that there is a vacancy either in their board, the Common Council, or any city or ward office, to be filled by popular election, they shall issue their warrant for elections to fill such vacancy at such time and place as they deem advisable.

SECTION 9. Ward officers authorized to act at elections, shall attend and perform their respective duties at the times and places appointed for elections of officers, whether of the United States, state, city or wards, and shall make and sign the regular returns of the same. If a ward officer is absent from a meeting the office may be filled *pro tempore*, by the voters present, by nomination and hand vote, if they so determine.

SECTION 10. City officers who were residents of the ward at the time of their election, shall discharge the duties of their offices notwithstanding their removal afterwards into any other ward of the city.

NOTE. The foregoing Sections were adopted for the City of Lowell, by a Resolution of the City Council, passed December 24, 1872.

A N A C T

FOR THE PREVENTION OF FIRE IN CITIES AND TOWNS.

Be it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same, as follows :

SECTION 1. Cities and towns may, by ordinances and by-laws not repugnant to the laws of the Commonwealth, prescribe rules and regulations for the inspection, materials, construction, alteration and safe use of buildings and structures within their respective limits not owned or occupied by the United States or the Commonwealth, and excepting bridges, quays and wharves, for the purpose of securing the prevention of fire and the preservation of life ; and may prescribe penalties, not exceeding one hundred dollars for each and every violation of any provision of such ordinances or by-laws.

SECTION 2. Such ordinances and by-laws may be made operative upon and within the whole territory of any city or town, or upon and within any prescribed and defined district or districts of such territory.

SECTION 3. The supreme judicial court, or any justice thereof, in term time or vacation, may, by injunction or other suitable process in equity, restrain any person or corporation from constructing, altering, maintaining or using any building or structure contrary to or in violation of any lawful ordinance or by-law made under or by virtue of this act, and may order and enforce the removal or abatement as a nuisance of any building or structure constructed, altered, maintained or used in violation of such ordinance or by-law.

SECTION 4. This act shall not be in force in any city or town unless the City Council or the inhabitants of the town shall, by legal vote, decide to adopt the same ; and it shall not apply to the city of Boston.

SECTION 5. This act shall take effect upon its passage.

Approved April 23, 1872.

NOTE. The foregoing Act was adopted for the City of Lowell, by a Resolution of the City Council, passed May 13, 1873.

AN ACT

TO PROVIDE FOR A SINKING FUND FOR THE PAYMENT OF THE
CITY OF LOWELL WATER LOAN BONDS.

*Be it enacted by the Senate and House of Representatives, in General
Court assembled, and by the authority of the same, as follows :*

SECTION 1. The city of Lowell may appropriate and raise by taxation, annually, such a sum of money as shall be deemed expedient by the City Council of said city, for paying the City of Lowell Water Loan Bonds, in the same manner as money is appropriated and assessed for other city purposes ; and said sum so raised from year to year shall be set apart and held as a Sinking Fund, which, with the accumulated interest thereon, shall be devoted and applied solely toward the redemption and payment of said bonds. Said fund shall be invested and managed in such manner as said City Council may by ordinance provide.

SECTION 2. This act shall take effect upon its passage.

Approved March 8, 1873.

AN ACT

TO ANNEX A PART OF THE TOWN OF TEWKSBURY TO THE CITY OF LOWELL.

Be it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same, as follows :

SECTION 1. That part of the town of Tewksbury contained within the lines described as follows : Beginning at a stone bound in Merrimack River about six hundred and sixty-seven feet easterly of the north-easterly bound between the city of Lowell and the town of Tewksbury as established by chapter one hundred and fifty-nine of the acts of eighteen hundred and thirty-four ; thence running south, six degrees fifteen minutes east, crossing the old Andover road, to a point in Andover Street ; thence in the same course, crossing said Andover Street, to the corner of a new street, and by the westerly line of said new street about four hundred and sixty-three feet to a point in a cross fence at a hub ; thence south four degrees west, three thousand six hundred and sixty-four feet, to a hub at the intersection of the southerly line of the highway called High Street, or otherwise known as Main Street, with the westerly line of the highway or town way known as the Billerica Road ; thence south-westerly about seventeen hundred and forty-nine feet to a stone bound at the most south-easterly corner of the land of the proprietors of the Lowell Cemetery, enclosed, and known as the "Lowell Cemetery" ; thence south-westerly to the point in Concord River at which the northerly line of the location of the Lowell and Lawrence Railroad intersects the present boundary line between said town and city, and thus northerly by said boundary line to the point of beginning, with all the inhabitants and estates therein, is hereby set off from the town of Tewksbury, and annexed to the city of Lowell, and until a new division of wards in said city, shall be and constitute part of the sixth ward thereof. And the hubs or stone bounds above mentioned shall be erected and maintained by said city.

SECTION 2. The inhabitants and estates within said territory hereby set off, and the owners of such estates shall be holden to pay

all taxes heretofore assessed and in arrears and all taxes assessed or ordered to be assessed by said town for the present year, and such taxes may be assessed and collected in the same manner as if this act had not been passed. And until the next state valuation, the city of Lowell shall annually in the month of November, pay to the town of Tewksbury one-tenth of all state and county taxes that shall be assessed upon said town.

SECTION 3. If any persons who have heretofore gained a legal settlement in the town of Tewksbury by reason of residence on the territory set off as aforesaid, or by having been proprietor thereof, or who may derive such settlement from any such resident or proprietor, shall come to want and stand in need of relief and support, they shall be relieved and supported by the city of Lowell, in the same manner as if they had gained a legal settlement in said city.

SECTION 4. The inhabitants upon the territory hereby set off, shall continue to be a part of the town of Tewksbury for the purpose of electing senators and representatives to the general court, until the next apportionment shall be made, and it shall be the duty of the Mayor and Aldermen of said city of Lowell, to make a true list of the persons residing on said territory qualified to vote at such elections, and the same may be used by the Selectmen of Tewksbury for such elections in the same manner as if it had been prepared by themselves.

SECTION 5. The city of Lowell shall have the power and authority to alter, straighten, widen, repair and grade all county and town ways within the territory hereby annexed.

SECTION 6. This act shall take effect upon its passage.

Approved June 5, 1874.

A N A C T

TO ANNEX A PORTION OF THE TOWN OF DRACUT TO THE CITY
OF LOWELL.

Be it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same, as follows :

SECTION 1. So much of the town of Dracut in the county of Middlesex lying upon the Merrimack River, thus bounded and described, to wit: Beginning on the northerly side of the new county road leading from Lowell to Methuen, at the north-east corner of that part of said Lowell called Centralville, thence running north nineteen degrees and thirty minutes west, to a stone bound on the northerly side of the road in said Dracut, leading from George T. Whitney's house to and by the Poor Farm in said Dracut, (said line and course being a continuation of the course described as three thousand eight hundred and twenty-seven feet, northerly from the margin of the river, in the act entitled "An Act to annex a part of the Town of Dracut to the City of Lowell," passed February twenty-eighth, eighteen hundred and fifty-one, chapter eight, section one); thence running westerly in a straight line to a point on the margin of Merrimack River at the intersection of the town of Dracut and the town of Tyngsborough; thence south-westerly upon the boundary line now between said Dracut and Tyngsborough to the thread of Merrimack River; thence down said Merrimack River by the thread thereof to a point in the thread of said river easterly in a direct line from the end of Long Island at the intersection of said city of Lowell and said Dracut; thence by the division line between said city of Lowell and said Dracut as described in the act of February, eighteen hundred and fifty-one, above referred to, to the point of beginning, with all the inhabitants on the lands above described, is hereby set off and separated from said town of Dracut, and annexed to and made a part of the city of Lowell in said county, and the same land and the inhabitants thereon shall be deemed and considered as annexed to and constituting a part of said city of Lowell; *provided, however*, that the said tract of land and the inhab-

itants thereon, set off as aforesaid, shall be liable to pay all such taxes as are already assessed on them by said town of Dracut in the same manner as they would have been liable if this act had not been passed.

SECTION 2. The stone bound mentioned in section one shall be erected by the city of Lowell.

SECTION 3. If any persons who have heretofore gained a legal settlement in the town of Dracut, by reason of residence on the territory set off as aforesaid, or by having been proprietors thereof, or who may derive such settlement from any such resident or proprietor, shall come to want and stand in need of relief and support, they shall be relieved and supported by the city of Lowell, in the same manner as if they had gained a legal settlement in said Lowell.

SECTION 4. That part of said Dracut annexed to the city of Lowell by this act, for the purpose of electing representatives to the general court to which the said town of Dracut, as part of the thirtieth Middlesex representative district is entitled, until the next decennial census is taken in accordance with the provisions of law, shall be and remain a part of the said town of Dracut and of said representative district.

SECTION 5. The Mayor and Aldermen of the city of Lowell shall annually, fourteen days at least before the second Tuesday of November, furnish to the Selectmen of the town of Dracut correct lists of all persons resident on the said territory annexed, who shall be entitled to vote at such elections in the said town of Dracut so far as may be ascertained by the records and doings of the said city of Lowell or any of its officers. And the city of Lowell for every neglect of its Mayor and Aldermen so to furnish such list, shall forfeit the sum of one hundred dollars: and for the making of a false return in respect to any such list, shall forfeit the sum of twenty dollars for every name in respect of which a false return is made, to be recovered in the same manner as is provided by the fourth section of the sixth chapter of the General Statutes in respect to penalties of neglect or false returns by collectors of towns; *provided, however*, that the Selectmen of Dracut shall be the final judges of the qualification of all voters resident on the said territory for the purposes contemplated in this act.

SECTION 6. The territory hereby annexed to the city of Lowell, shall be attached to and made part of such existing ward or wards of said city of Lowell as the City Council of Lowell, within ninety days from the passage of this act, shall determine.

SECTION 7. The city of Lowell shall have the power and authority to alter, straighten, widen, repair and grade all county and town ways within the territory hereby annexed, in the same manner that they are now authorized to alter, straighten, widen, repair and grade city ways and streets.

SECTION 8. From and after the passage of this act, the city of Lowell shall be liable for the cost of maintaining, repairing and rebuilding Pawtucket Bridge, so called, over Merrimack River, and the town of Dracut shall be forever thereafter free from all liability therefor.

SECTION 9. Within six months after the passage of this act the city of Lowell shall pay to the town of Dracut the sum of twenty-five thousand dollars, as the estimated proportion, due from the territory and inhabitants of the town of Dracut hereby annexed to the city of Lowell, to the town of Dracut towards the payment and extinguishment of the debt of said town of Dracut.

SECTION 10. So much of chapter eighty-six of the acts of eighteen hundred and sixty, and of the eighth chapter of the acts of eighteen hundred and sixty-one, as are inconsistent with the provisions of this act, are hereby repealed.

SECTION 11. This act shall take effect on the first day of August, eighteen hundred and seventy-four: *provided*, it shall first be accepted by the City Council of Lowell.

SECTION 12. The City Clerk of the city of Lowell shall certify to the Secretary of the Commonwealth the acceptance of this act by the City Council of Lowell, immediately after the same has been so accepted.

SECTION 13. So much of this act as authorizes the City Council of the City of Lowell to accept the same, shall take effect upon its passage.

Approved May 18, 1874.

NOTE. The foregoing Act was accepted by a Resolution of the City Council, passed June 23, 1874.

AN ACT

TO ANNEX A PART OF THE TOWN OF CHELMSFORD TO THE CITY OF LOWELL.

Be it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same, as follows:

SECTION 1. That part of the town of Chelmsford with all the inhabitants and estates thereon, lying easterly of the following described line, to wit: Beginning at a stone post, marked "C. and L.," on the boundary line between said town and said city, and about ten rods north of Chelmsford Street, thence running north-westerly in a straight line ninety-two hundred and seventy-feet to a stone bound, at the junction of the Chelmsford and Westford Roads; thence northerly in a straight line, crossing said roads, forty-one hundred and twenty-five feet, to a stone bound on the southerly bank of Merrimack River, at a point one thousand feet westerly of the "twenty-eight mile post," on the track of the Nashua and Lowell Railroad Corporation, and thence northerly to the thread of said river, is hereby set off from the town of Chelmsford and annexed to the city of Lowell, and shall constitute a part of the fourth ward thereof, until a new division of wards is made.

SECTION 2. The territory and the inhabitants thereon hereby annexed to the city of Lowell shall be holden to pay all such taxes as are already assessed, or ordered to be assessed, by said town of Chelmsford for the present year, in the same manner as if this act had not been passed; and all paupers who have gained a settlement in said town by a settlement gained or derived within said territory, shall be relieved or supported by said city, in the same manner as if they had a legal settlement in said city.

SECTION 3. The inhabitants upon the territory hereby annexed to the city of Lowell, shall continue to be a part of the town of Chelmsford, for the purpose of electing representatives to the general court, until the next apportionment shall be made; and it shall be the duty of the Mayor and Aldermen of said city, to make a true list of the persons on the territory hereby annexed, qualified to vote

at such elections, and post up the same in said territory, and correct the same, as required by law, and deliver the same to the Selectmen of said town, seven days at least before any such election, and the same shall be taken and used by the Selectmen of said town for such election, in the same manner as if it had been prepared by themselves.

SECTION 4. The city of Lowell shall pay to the town of Chelmsford, within six months after this act takes effect, the sum of fifteen hundred dollars, as the estimated proportion due from the territory and inhabitants thereon, hereby annexed to said city, towards the payment of the debt of said town.

SECTION 5. The city of Lowell shall annually pay to the town of Chelmsford, from and after the time when this act takes effect, one-eighth part of all the state and county taxes thereafter required of said town, previous to a new state valuation, or new basis for the apportionment of state and county taxes.

SECTION 6. This act shall not take effect until accepted by the City Council of Lowell.

Approved May 18, 1874.

NOTE. The foregoing Act was accepted by a Resolution of the City Council, passed June 23, 1874.

AN ACT

TO AMEND THE CHARTER OF THE CITY OF LOWELL.

Be it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same, as follows:

SECTION 1. The salary of the Mayor of the city of Lowell may be fixed as provided by the city charter at any sum not exceeding three thousand dollars per annum.

SECTION 2. Whenever less than a majority of the Board of Aldermen of said city is qualified upon the first Monday in January in any year, the Aldermen of the preceding year shall constitute the Board of Aldermen until a majority of the new board is qualified.

SECTION 3. Whenever less than a majority of the Common Council of said city is qualified upon the first Monday in January in any year, the Common Councilmen of the preceding year shall constitute the Common Council until a majority of the new council is qualified.

Approved May 18, 1874.

TIME OF CITY ELECTION.

EXTRACT FROM CHAPTER 376, ACTS OF 1874.

SECTION 53. If the charter of any city, or any act in amendment of such charter, or otherwise relating to such city, contains any specific and particular provision inconsistent with such of the provisions of this act as apply to cities, such specific and particular provision shall continue in force in such city, anything in this act contained to the contrary notwithstanding: *provided, however*, that all elections in cities which, by any act, are appointed to be held on Monday, shall be held on the Tuesday next following such Monday.

ORDINANCES

(NOW IN FORCE)

PASSED SUBSEQUENT TO THE
ORDINANCES OF THE CITY OF LOWELL,

ORDAINED OCTOBER 28, 1863.

CITY OF LOWELL.

In the year Eighteen Hundred and Sixty-Seven.

AN ORDINANCE AMENDING CHAPTER TWENTY-TWO OF THE
ORDINANCES OF THE CITY OF LOWELL.

Be it ordained by the City Council of the City of Lowell, as follows :

That Section Two of Chapter Twenty-Two of the Ordinances of the City of Lowell be amended by striking out in the first and second lines the words "shall appoint annually in the month of January or February," and inserting in place thereof the words "may appoint from time to time."

In Common Council, Sept. 24, 1867.

Passed to be ordained.

GUSTAVUS A. GERRY, President.

In Board of Aldermen, Sept. 24, 1867.

Passed to be ordained.

GEORGE F. RICHARDSON, Mayor.

CITY OF LOWELL.

In the year Eighteen Hundred and Sixty-Eight.

AN ORDINANCE AMENDING CHAPTER SIX OF THE ORDINANCES OF
THE CITY OF LOWELL.

Be it ordained by the City Council of the City of Lowell, as follows :

SECTION 1. That Chapter Six of the Ordinances of the City be and hereby is amended by inserting between the words "Council" and "during" in the seventeenth line of the second section, the words "and of the School Committee."

In Common Council, April 14, 1868.

Passed to be ordained.

ALFRED H. CHASE, President.

In Board of Aldermen, April 14, 1868.

Passed to be ordained.

GEORGE F. RICHARDSON, Mayor.

CITY OF LOWELL.

In the year Eighteen Hundred and Sixty-Eight.

AN ORDINANCE AMENDING THE ORDINANCES OF THE CITY OF
LOWELL.

Be it ordained by the City Council of the City of Lowell, as follows :

SECTION 1. That Section Two of Chapter Twenty of the Ordinances of the City of Lowell be amended by striking out in the first, second and third lines, the words "there shall be appointed annually in the month of January or February, and whenever a vacancy occurs, by the Mayor and Aldermen," and inserting in place thereof the words "the Mayor and Aldermen shall annually, in the month of January or February, and at such other times as they deem expedient, appoint."

In Common Council, June 9, 1868.

Passed to be ordained.

A. H. CHASE, President.

In Board of Aldermen, June 9, 1868.

Passed to be ordained.

GEORGE F. RICHARDSON, Mayor.

CITY OF LOWELL.

In the year Eighteen Hundred and Sixty-Eight.

AN ORDINANCE ESTABLISHING THE OFFICE OF SUPERINTENDENT
OF STREET LAMPS.

Be it ordained by the City Council of the City of Lowell, as follows :

SECTION 1. The Chief Engineer of the Fire Department shall be Superintendent of Street Lamps, and shall have the care and custody of all street lamps, lanterns, and lamp posts belonging to the city used for the purpose of lighting the streets. He shall keep the same in good condition, and lighted at such times as the Committee on Lighting Streets may direct. He shall also contract for all materials, superintend the putting up of all posts and lamp fixtures located by the Mayor and Aldermen ; shall employ suitable persons to light the street lamps which are not lighted by the Police Department, and shall keep an accurate account of the number and kind of lamps in the city, the hours they burn, the amount of materials used for lighting, and cost of the same, and all other expenses incurred in this department ; and in the month of January, annually, shall make a report to the Mayor and Aldermen of the number and kind of lights in the city, the increase, if any, during the year, and where located, the times when lighted, and also a synopsis of his doings through the preceding year.

SECTION 2. All Ordinances and parts of Ordinances inconsistent herewith are hereby repealed.

In Board of Aldermen, December 22, 1868.

Passed to be ordained.

GEORGE F. RICHARDSON, Mayor.

In Common Council, December 22, 1868.

Passed to be ordained.

ALFRED H. CHASE, President.

CITY OF LOWELL.

In the year Eighteen Hundred and Sixty-Nine.

AN ORDINANCE AMENDING SECTION SEVEN OF CHAPTER ONE OF
THE ORDINANCES OF THE CITY OF LOWELL.

Be it ordained by the City Council of the City of Lowell, as follows :

That Section Seven, of Chapter One, of the Ordinances of the City of Lowell, be amended, by the addition of the following words: "said report to include a verification of the cash balance, as shown by said account, founded upon actual examination of all assets in the hands of the Treasurer."

In Common Council, April 27, 1869.

Passed to be ordained.

WILLIAM H. ANDERSON, President.

In Board of Aldermen, April 27, 1869.

Passed to be ordained.

JONATHAN P. FOLSOM, Mayor.

CITY OF LOWELL.

In the year Eighteen Hundred and Sixty-Nine.

AN ORDINANCE AMENDING THE ORDINANCES OF THE CITY OF
LOWELL.

Be it ordained by the City Council of the City of Lowell, as follows :

That Section Four, of Chapter One, of the Ordinances of the City of Lowell, be amended, by adding the following words : “And provided, further, that when any suit is commenced in any Court in this Commonwealth in which the City of Lowell shall be a party, and in which it shall be necessary for the City Solicitor to pay money in advance to witnesses to attend said Court, such money may be so paid to the City Solicitor by the City Treasurer, upon the written order of the Mayor, countersigned by the Auditor, and approved by the Chairman of the Committee on Accounts.”

In Common Council, May 11, 1869.

Passed to be ordained.

WILLIAM H. ANDERSON, President.

In Board of Aldermen, May 11, 1869.

Passed to be ordained.

JONATHAN P. FOLSOM, Mayor.

CITY OF LOWELL.

In the year Eighteen Hundred and Sixty-Nine.

AN ORDINANCE AMENDING CHAPTER SEVEN OF THE ORDINANCES
OF THE CITY OF LOWELL.

Be it ordained by the City Council of the City of Lowell, as follows:

That Section Two of Chapter Seven of the Ordinances of the City, be and hereby is amended by adding thereto the following words: "or who is trampling down or injuring the grass upon said Commons, nor shall any person engage in any games upon either of the Commons except within such limits as shall be specially designated for such purposes by the Mayor and Aldermen."

In Common Council, July 13, 1869.

Passed to be ordained.

WILLIAM H. ANDERSON, President.

In Board of Aldermen, July 13, 1869.

Passed to be ordained.

JONATHAN P. FOLSOM, Mayor.

CITY OF LOWELL.

In the year Eighteen Hundred and Sixty-Nine.

AN ORDINANCE IN RELATION TO WATER COMMISSIONERS AND
WATER WORKS.

Be it ordained by the City Council of the City of Lowell, as follows :

SECTION 1. Whereas the City Council of the City of Lowell, on the 12th day of October, A. D., 1869, decided that they would introduce water into the city from Beaver Brook,* so called, in the town of Dracut, in accordance with the act of the Legislature, approved June 4, A. D., 1869, entitled "An Act in addition to 'An Act for supplying the City of Lowell with Water,'" it is ordained and determined that water, for the purpose aforesaid, shall be introduced from said Beaver Brook.

SECTION 2. For the purposes of carrying into effect the provisions of said act and for introducing a supply of water into said city, there shall be chosen, by the City Council, by concurrent vote, three Water Commissioners who shall be known and called by the name of "THE LOWELL WATER COMMISSIONERS." Said Commissioners shall hold their offices for three years from and after the time of their election, unless the water works contemplated by said act shall be sooner completed; and in that case, until the completion of said works. Provided, however, that the City Council, by concurrent vote of two-thirds of the members elected to either Board voting in the affirmative, may remove said Commissioners, or any of them, from office, for any misconduct, unfaithful performance of duty, neglect, or incapacity. In case of a vacancy in the Board of Commissioners by death, resignation or removal, such vacancy shall be filled by the appointment of another Commissioner, in the manner provided for in this section, who shall hold his said office for the residue of the said

* See Ordinances passed July 26, 1870, and December 27, 1870.

term of three years, with all the powers and subject to all the restrictions provided in this Ordinance. Said Commissioners are authorized to select one of their number to act as Chairman or President of the Board. Two Commissioners shall be a quorum for the exercise of the powers and performance of the duties of said office.

SECTION 3. The Chairman or President of said Commissioners shall receive a salary of two thousand dollars per annum, and each of the other Commissioners a salary of one thousand dollars per annum, payable quarterly.

SECTION 4. Said Commissioners shall have authority to convey into and through said City the waters of said Beaver Brook* in accordance with the provisions of said act, and shall have and exercise all the powers conferred on said City by said act, and may take by purchase, or otherwise, the waters of said brook and any water rights connected therewith, and any real estate necessary for laying aqueducts and forming reservoirs, and for any of the purposes of said act, and may also make contracts for labor and materials for the construction of said water works, which shall be valid and binding on said City, and which may be suitable and proper for facilitating, expediting and finishing the works in the most speedy, economical, advantageous, permanent and effectual manner.

SECTION 5. Whenever the Commissioners aforesaid shall take by purchase or otherwise any lands, streams of water, water rights or water sources for the purposes mentioned in said act, they shall, without unnecessary delay, make and deliver to the Mayor of the City of Lowell a certificate signed by them containing a statement of the fact of such taking, and a description of the lands or water sources so taken, as certain as is required in a common conveyance of lands, and a statement of the purposes for which they are so taken, to the end that the Mayor aforesaid may cause such description and statement, signed by him, to be filed in the office of the Registry of Deeds for the Northern District of Middlesex, as required by the second section of said act.

SECTION 6. All contracts for labor and materials in the prosecution of said work shall be in writing, and executed in triplicate, one of which triplicate shall be kept by the Commissioners, one shall be delivered to the City Clerk, and one to the contractor, and no such contract shall be executed unless good and satisfactory security for the faithful performance of the same, and also to indemnify and save the City harmless from and against all claims against said City under Chapter one hundred and fifty of the General Statutes, by

* See Ordinances passed July 26, 1870, and December 27, 1870.

persons who may have done work or labor, in the construction, erection and preparation of said works at the request of such contractor, shall be given by the contractor and approved by the Commissioners. Said Commissioners, when not otherwise authorized by the City Council, shall advertise in one or more newspapers in this City, and in such other cities and places as they may think best, for sealed proposals for all such contracts, specifying the time and place where the same shall be received ; and such proposals, in order to be received and acted upon, shall set forth a specified sum or price to be paid for all such labor or materials, or for either, without condition, limitation or alteration, and shall be accompanied with a bond satisfactory to the Commissioners, conditioned for the faithful execution of the proposal if the same shall be accepted ; and the contents of any proposal shall not be made known to any person not a member of the Commission until a contract shall have been made, provided, that said Commissioners may in their discretion reject any or all such proposals ; and no contract shall be assigned without the written consent of said Commissioners. Nothing herein contained shall require said Commissioners to advertise for proposals for the ordinary extensions of street mains and water pipes, or repairs of the water works. Said Commissioners shall have power and authority to employ an engineer and such other agents, clerks and servants as they may deem necessary, and to agree with them for their compensation, which shall be paid out of the City Treasury.

SECTION 7. No one of said Commissioners, and no person appointed to any office or employed by virtue of this Ordinance, or by the aforesaid act of the Legislature, shall be interested directly or indirectly in any bargain, contract, sale, or agreement in relation to said water works, or any matter or thing connected therewith, wherein the City is interested, without an express vote of the City Council ; and any and all contracts, bargains, sales, or agreements made in violation of this section shall be utterly void as to the City.

SECTION 8. It shall be the duty of the Commissioners aforesaid to exercise all reasonable vigilance and care by personal inspection, examination and supervision, from day to day, or from time to time, as circumstances may require, of all matters and things herein committed to their charge ; to see that all works, matters and things to be done, executed and performed by and through their agency and under their superintendence, by virtue of the act aforesaid and of this Ordinance, shall be done, executed and performed in a substantial, economical and effectual manner ; that all the officers, agents, and other persons who may be employed by them in the works afore-

said, execute and discharge the duties and labors assigned to them respectively, in a diligent and faithful manner; and that all contracts and agreements made and concluded by them in the execution of the duties of their office are faithfully and properly executed and performed.

SECTION 9. The Commissioners aforesaid shall enter or cause to be entered, in a book to be kept for that purpose, and which shall be subject to the inspection and examination of the Joint Standing Committee of the City Council on Water Works, or of any other committee appointed by the City Council for that purpose, a journal, account or record of all rules, orders, votes, appointments, resolutions, proceedings and other official acts which may from time to time be adopted by them; and the said Commissioners shall, at the beginning of each month during their continuance in office, make a report in writing to the said Joint Standing Committee of their proceedings during the month next preceding such report. And the said Joint Standing Committee shall, at the expiration of each period of three months, make a written report to the City Council upon the matters committed to them.

SECTION 10. In order to enable the City Council seasonably to raise and provide the funds necessary for defraying the costs and expenses which may from time to time be incurred in the prosecution of the work, and for carrying into full effect the purposes and objects of the act aforesaid, and of this Ordinance, the Commissioners aforesaid shall from time to time seasonably make and prepare, with as much particularity as may be useful and practicable, estimates for the use of the said City Council, of such sums of money as, in their judgment, may be required; and statements of the purposes for which said sums respectively are to be appropriated and applied.

SECTION 11. It shall be the duty of the Commissioners aforesaid to investigate promptly all cases in which it appears probable that any damages may be claimed of the City by any person or corporation for any alleged injury to the body or the property, real or personal, of such person or corporation by reason of any decision, action or operation of said Commissioners, or of others employed by them in the performance of any of the matters and things committed to their charge by the act aforesaid, and this Ordinance; and to make forthwith a memorandum in writing of all the important facts and circumstances relating thereto, together with a list of the names of all persons whose testimony concerning the particulars of such alleged injury may be deemed important by said Commissioners, which memorandum they shall file and preserve.

SECTION 12. In all suits, processes, and questions in law or equity which may be commenced, prosecuted or pending by or against the City of Lowell in any court, or before any other tribunal, for or by reason of any act, proceeding or contract of the Commissioners aforesaid, or of the City of Lowell, or for any other cause arising from the execution of the powers and authority given by the provisions of the act aforesaid and of this Ordinance, the said Commissioners shall aid and assist the counsel employed in behalf of the City, by giving information of all facts within their knowledge, and furnishing any documents, testimony and evidence in their possession or control, which may be material, important or useful in establishing the rights and protecting the interests of said City.

SECTION 13. All bills on account of said water works shall be examined by said Commissioners, and if found correct shall be so certified by them, and that the same have been incurred in the construction of the water works, and the Mayor shall draw his order therefor upon the Treasurer when the same shall have been audited and approved by the Joint Standing Committee of the City Council, on Water Works, or of such committee as shall be appointed by the City Council to inspect and examine the proceedings and official acts of the said Commissioners, under the provisions of section nine.

SECTION 14. This Ordinance and all its provisions shall be subject to such revision, alteration, amendment or repeal at the discretion of the City Council of the City of Lowell as shall not be inconsistent with the provisions of the act of the Legislature aforesaid.

In Common Council, November 23, 1869.

Passed to be ordained.

WILLIAM H. ANDERSON, President.

In Board of Aldermen, November 23, 1869.

Passed to be ordained.

JONATHAN P. FOLSOM, Mayor.

CITY OF LOWELL.

In the year Eighteen Hundred and Seventy.

AN ORDINANCE RELATING TO RATES OF FARE IN HACKNEY
COACHES OR OTHER CARRIAGES.

Be it ordained by the City Council of the City of Lowell, as follows :

SECTION 1. The fares for the conveyance of passengers in licensed Hackney Coaches, or other carriages, shall not exceed the following rates, viz: For each passenger over twelve years of age, carried from any one place within the city to any other place within the city, thirty-five cents; except that if such passenger shall, at his own request, be taken into such coach or carriage after ten o'clock at night, and before five o'clock of the following morning, at any place within the city, and is carried with due speed and diligence to any other place within the city, a fare may be charged not exceeding fifty cents; for any such conveyance of a child under twelve years of age, the fare shall not exceed fifteen cents; and for children under three years of age, accompanied by a parent or guardian, no fare shall be taken or charged. For the fares aforesaid each passenger may carry with himself baggage not exceeding seventy-five pounds in weight; and for each additional fifty pounds of baggage or fractional part thereof, five cents more may be charged.

SECTION 2. If any person shall ask for or charge a fare greater than the rates named in the foregoing section for the conveyance of passengers, he shall be punished by a fine not exceeding Twenty Dollars for each offence.

SECTION 3. The Sixth Section of the Fourteenth Chapter of the Ordinances of the City, passed and ordained October 28, 1863, and the Ordinance passed and ordained April 25, 1865, are hereby repealed.

In Common Council, February 8, 1870.

Passed to be ordained.

ALBERT A. HAGGETT, President.

In Board of Aldermen, February 8, 1870.

Passed to be ordained.

JONATHAN P. FOLSOM, Mayor.

CITY OF LOWELL.

In the year Eighteen Hundred and Seventy.

AN ORDINANCE IN ADDITION TO "AN ORDINANCE IN RELATION TO
WATER COMMISSIONERS AND WATER WORKS."

Be it ordained by the City Council of the City of Lowell, as follows:

SECTION 1. For the purpose of carrying into effect an act of the Legislature of the Commonwealth, entitled "An Act to amend Chapter 351 of the Acts of the year 1869 for supplying the City of Lowell with Water," it is hereby ordained and determined that water shall be taken from Merrimack River* at a point in Dracut above Pawtucket Falls, and therefrom conveyed *in a brick conduit to settling basins near the outlet of Beaver Brook in said Dracut, and thence* into and through said city in such manner as the Lowell Water Commissioners shall deem most expedient, and by the construction of such works as may be necessary therefor.

SECTION 2. The Lowell Water Commissioners shall have authority to convey into and through said city, the waters of said Merrimack River as aforesaid, in accordance with the provisions of said act, and shall have and exercise all the powers conferred on said city by said act, and in the taking of the said waters as aforesaid, shall have all the powers, privileges, and duties, and be subject to all the liabilities and restrictions given and imposed on them by the ordinance passed by the City Council of said Lowell, November 23rd, A. D., 1869, entitled "An Ordinance in relation to Water Commissioners and Water Works," as fully as if herein specifically mentioned.

SECTION 3. So much of said ordinance passed November 23rd, A. D., 1869, as conflicts and is inconsistent with the provisions of this ordinance is hereby repealed.

In Common Council, July 26, 1870.

Passed to be ordained.

ALBERT A. HAGGETT, President.

In Board of Aldermen, July 26, 1870.

Passed to be ordained.

JONATHAN P. FOLSOM, Mayor.

* The words "and from Filter Galleries" inserted, and the words in italic struck out by Ordinance passed December 27, 1870.

CITY OF LOWELL.

In the year Eighteen Hundred and Seventy.

AN ORDINANCE AMENDING "AN ORDINANCE IN ADDITION TO AN ORDINANCE IN RELATION TO WATER COMMISSIONERS AND WATER WORKS," PASSED JULY 26TH, A. D., 1870.

Be it ordained by the City Council of the City of Lowell, as follows :

SECTION 1. That Section One of the "Ordinance in addition to an Ordinance in relation to Water Commissioners and Water Works," passed July 26th, A. D., 1870, be amended by inserting after the words "Merrimack River," in said section, the words "and from Filter Galleries," and by striking out after the words "therefrom conveyed," in said section, the eighteen following words, to wit: "in a brick conduit to settling basins near the outlet of Beaver Brook in said Dracut, and thence," so that the section as amended shall read as follows :

"For the purpose of carrying into effect an act of the Legislature of the Commonwealth, entitled 'An Act to amend chapter 351 of the Acts of the year 1869 for supplying the City of Lowell with Water,' it is hereby ordained and determined that water shall be taken from Merrimack River and from Filter Galleries, at a point in Dracut above Pawtucket Falls, and therefrom conveyed into and through said city in such manner as the Lowell Water Commissioners shall deem most expedient, and by the construction of such works as may be necessary therefor."

SECTION 2. That Section Two of said ordinance passed July 26th, A. D., 1870, be amended by inserting after the words "Merrimack River," in said section, the words "and of said Filter Galleries."

In Common Council, December 27, 1870.

Passed to be ordained.

ALBERT A. HAGGETT, President.

In Board of Aldermen, December 27, 1870.

Passed to be ordained.

JONATHAN P. FOLSOM, Mayor.

CITY OF LOWELL.

In the year Eighteen Hundred and Seventy.

AN ORDINANCE RELATING TO THE LOWELL HORSE RAILROAD
COMPANY.

Be it ordained by the City Council of the City of Lowell, as follows :

SECTION 1. The following regulations shall be observed by the Lowell Horse Railroad Company, their servants and agents :

First. Whenever snow shall fall of a sufficient depth to make sleighing, no snow plough shall be allowed to pass over the track of said Company or any part thereof ; and the Company shall not at any time cause or allow snow or ice to be removed from their tracks, or any part thereof, without consent being first obtained of the Superintendent of Streets, or of the Chairman of the Committee on Streets.

Second. Said Company shall not sprinkle or place salt, brine or pickle, or any article of a decomposing nature, on any of their tracks or rails, or cause or allow the same to be done by their servants or agents without like consent.

SECTION 2. Said Company, or any individual, violating either of the foregoing Regulations, shall be punished by a fine of twenty dollars for each offence.

In Common Council, December 30, 1870.

Passed to be ordained.

ALBERT A. HAGGETT, President.

In Board of Aldermen, December 30, 1870.

Passed to be ordained.

JONATHAN P. FOLSOM, Mayor

CITY OF LOWELL.

In the year Eighteen Hundred and Seventy-One.

AN ORDINANCE RELATING TO THE ELECTION OF A MESSENGER
TO THE CITY COUNCIL.

Be it ordained by the City Council of the City of Lowell, as follows :

SECTION 1. There shall be chosen annually, by ballot, in the month of January, by concurrent vote of both branches of the City Council, a Messenger to the City Council, who shall enter upon his duties the first Monday in February, and he shall be removable at the pleasure of the City Council.

SECTION 2. All Ordinances and parts of Ordinances inconsistent herewith are hereby repealed.

In Common Council, January 10, 1871.

Passed to be ordained.

HENRY P. PERKINS, President.

In Board of Aldermen, January 10, 1871.

Passed to be ordained.

E. F. SHERMAN, Mayor.

CITY OF LOWELL.

In the year Eighteen Hundred and Seventy-One.

AN ORDINANCE TO REGULATE THE POSTING OF PLACARDS,
NOTICES AND BILLS.

Be it ordained by the City Council of the City of Lowell, as follows :

SECTION 1. No person shall post up or affix in any manner, any placard, notice or bill, either written or printed, upon the fences or walls, or any part of any building in the City of Lowell, without the previous consent of the person or persons having possession of the same.

SECTION 2. No person shall post up or affix, in any manner, any placard, notice or bill, either written or printed, upon any post, curbstone or sidewalk, or upon any tree in any street, square, park or public place in the City of Lowell, or upon any wall, fence, or building, belonging to the City of Lowell, without the consent of the Mayor.

SECTION 3. Any person who violates the provisions of this Ordinance shall forfeit and pay for every violation a sum not exceeding twenty dollars.

In Common Council, February 28, 1871.

Passed to be ordained.

HENRY P. PERKINS, President.

In Board of Aldermen, February 28, 1871.

Passed to be ordained.

E. F. SHERMAN, Mayor

CITY OF LOWELL.

In the year Eighteen Hundred and Seventy-One.

AN ORDINANCE IN RELATION TO AWNINGS, SHADES AND SIGNS.

Be it ordained by the City Council of the City of Lowell, as follows :

SECTION 1. No person shall place, establish, or maintain any awning or shade with stationary frame, before his or her place of business or dwelling-house, or over any part of any street or sidewalk, unless the same be safely made, fixed, supported and maintained so as in no wise to incommode passengers, and so that the lowest part of such awning or shade shall be at least nine feet above the sidewalk or street; and such stationary frame, if built over a sidewalk, shall extend over the outside edge thereof, and if supported at said outside edge, shall be so supported by iron supports or columns, and such awning or shade shall not be put on before the first day of April, nor kept on after the first day of December. And no person shall place, establish or maintain any awning or shade with movable frame, before his or her place of business or dwelling-house, or over any part of any street or sidewalk, unless the frame of the same be firmly secured to the building, and the lowest part of said awning or shade be at least seven feet above the sidewalk or street. And such awning or shade shall not extend more than six feet from the building, and shall be folded up every night at sunset and during every rain.

SECTION 2. No person shall erect, set up or keep upon or in front of any building, store, shop or place of business, or over any part of any street or sidewalk, any sign, signboard, or inscription, any part of which shall project or extend more than four and one-half feet from said building, store, shop or place of business, into or over any public sidewalk, street or highway, unless the same is firmly attached to an awning. And no sign, signboard or inscription shall extend beyond the outside edge of the sidewalk; and, if the same projects more than three inches from the building, store, shop or

place of business, shall not be less than nine feet above the sidewalk, street or highway; provided, however, that this section shall not apply to signs or inscriptions painted on awnings or shades with movable frames, nor to signs erected or maintained by licensed inn-holders, as provided for in the eighty-eighth Chapter of the General Statutes of this Commonwealth.

SECTION 3. All awnings and shades shall be built, put up and kept in repair, and all signs shall be put up and maintained, under the provisions of this ordinance, to the acceptance of the City Marshal.

SECTION 4. Sections ten and twenty-two of Chapter twenty-seven of the ordinances of the City are hereby repealed.

SECTION 5. Any person who shall offend against any of the provisions of this ordinance, shall forfeit and pay for each offence a sum not exceeding twenty dollars.

In Common Council, May 9, 1871.

Passed to be ordained.

HENRY P. PERKINS, President.

In Board of Aldermen, May 9, 1871.

Passed to be ordained.

E. F. SHERMAN, Mayor.

CITY OF LOWELL.

In the year Eighteen Hundred and Seventy-One.

AN ORDINANCE TO SECURE THE ENFORCEMENT OF SANITARY REGULATIONS.

Be it ordained by the City Council of the City of Lowell, as follows :

SECTION 1. A Board of Health shall be elected annually in the month of January or February, or at any time when a vacancy shall occur, consisting of two Aldermen* to be elected by that Board, and three members of the Common Council, to be elected by said Council, with all the powers and duties assigned to Boards of Health by the statutes of the Commonwealth of Massachusetts.

SECTION 2. The Board of Health may make all regulations which they may deem necessary in regard to the removal and abatement of filth, rubbish, nuisances and causes of diseases, and shall have power to require the aid and assistance of such agents as may be needed to enforce such regulations ; to appoint one or more physicians to the Board ; and to perform any other acts and duties which may to them seem necessary for the health of the city, provided always that such acts shall be in conformity to the statutes of the Commonwealth, and the ordinances of the City of Lowell.

SECTION 3. The ordinance entitled "An Ordinance to secure the enforcement of Sanitary Regulations," passed on the thirteenth of March, eighteen hundred and sixty-six, is hereby repealed, and the Board of Health appointed under said ordinance shall cease to exist.

In Common Council, September 15, 1871.

Passed to be ordained.

HENRY P. PERKINS, President

In Board of Aldermen, September 15, 1871.

Passed to be ordained.

E. F. SHERMAN, Mayor.

* Amended January 23, 1872.

CITY OF LOWELL.

In the year Eighteen Hundred and Seventy-Two.

AN ORDINANCE AMENDING CHAPTER FIFTH OF THE ORDINANCES
OF THE CITY OF LOWELL.

Be it ordained by the City Council of the City of Lowell, as follows :

That Chapter Fifth of the Ordinances of the City of Lowell be amended by striking out all of Section One, and inserting in place thereof the following :

“SECTION 1. The following City Documents shall be printed in pamphlet form of the size of the Annual Report of the School Committee, to wit : Mayor’s Address, Auditor’s Annual Report, Annual Report of the Directors of the City Library, Annual Report of the Superintendent of Burials, Annual Report of the Chief Engineer of the Fire Department, and Municipal Register.”

In Common Council, January 23, 1872.

Passed to be ordained.

HENRY P. PERKINS, President.

In Board of Aldermen, January 23, 1872.

Passed to be ordained.

JOSIAH G. PEABODY, Mayor.

CITY OF LOWELL.

In the year Eighteen Hundred and Seventy-Two.

AN ORDINANCE TO AMEND AN ORDINANCE RELATING TO
SANITARY REGULATIONS.

Be it ordained by the City Council of the City of Lowell, as follows :

That an Ordinance passed by the City Council, September 15th, 1871, entitled "An Ordinance to Secure the Enforcement of Sanitary Regulations," be, and the same is hereby amended, by striking out from Section One the words, "two Aldermen to be elected by that Board," and substituting therefor "the Mayor, *ex officio*, and one Alderman; provided, however, that in case the Mayor declines to serve, there shall be chosen two Aldermen, to be elected by the Mayor and Aldermen."

In Common Council, January 23, 1872.

Passed to be ordained.

HENRY P. PERKINS, President.

In Board of Aldermen, January 23, 1872.

Passed to be ordained.

JOSIAH G. PEABODY, Mayor.

CITY OF LOWELL.

In the year Eighteen Hundred and Seventy-Two.

AN ORDINANCE TO REPEAL AN ORDINANCE.

Be it ordained by the City Council of the City of Lowell, as follows :

That an Ordinance passed by the City Council, September 26th, 1871, entitled " An Ordinance relating to the Duties of the City Physician," be, and the same is hereby repealed.

In Common Council, January 23, 1872.

Passed to be ordained.

HENRY P. PERKINS, President.

In Board of Aldermen, January 23, 1872.

Passed to be ordained.

JOSIAH G. PEABODY, Mayor.

CITY OF LOWELL.

In the year Eighteen Hundred and Seventy-Two.

AN ORDINANCE AMENDING SECTION TWO OF CHAPTER TWENTY
OF THE ORDINANCES OF THE CITY OF LOWELL.

Be it ordained by the City Council of the City of Lowell, as follows:

That Section Two of Chapter Twenty of the Ordinances of the City of Lowell be amended, by striking out the words "a weigher of coal," and inserting in place thereof the words "one or more weighers of coal."

In Common Council, April 9, 1872.

Passed to be ordained.

HENRY P. PERKINS, President.

In Board of Aldermen, April 9, 1872.

Passed to be ordained.

J. G. PEABODY, Mayor.

CITY OF LOWELL.

In the year Eighteen Hundred and Seventy-Two.

AN ORDINANCE RELATING TO THE CITY CLERK, AND PROVIDING FOR AN ASSISTANT CITY CLERK.

Be it ordained by the City Council of the City of Lowell, as follows :

SECTION 1. The City Clerk, under the direction and control of the Board of Mayor and Aldermen, shall have the care and custody of the City Records, and of all documents, maps, plans, and papers, respecting the care and custody of which no other provision is made. He shall attend and keep the records at all meetings of the City Council, and of the Board of Mayor and Aldermen.

SECTION 2. In the month of July, in the year eighteen hundred and seventy-two, and in the month of January annually thereafter, or at any time during the municipal year, if the City Clerk desires it, there shall be appointed an Assistant City Clerk for the City of Lowell. Said Assistant City Clerk shall be nominated by the City Clerk to the Board of Mayor and Aldermen, confirmed by said Board, and sworn to the faithful discharge of his duties. He shall hold his office until the first Monday of January next succeeding his appointment, unless sooner removed; and he may be removed at any time by the City Clerk, or by the Board of Mayor and Aldermen. Said Assistant Clerk shall be compensated in full for services by the City Clerk.

SECTION 3. It shall be the duty of said Assistant City Clerk to assist the City Clerk in recording, indexing, and certifying mortgages of personal property, mechanics' liens, assignments of wages, organizations of joint stock companies or religious corporations, writs, births, marriages and deaths, and also, if necessary, to attest docu-

ments as provided in the second section of Chapter Seventy-two of the Acts of the General Court of the year eighteen hundred and sixty-nine, and perform all other duties pertaining to the office of City Clerk when thereto requested by him, or when the City Clerk shall be absent, or the office shall be vacant from any cause.

In Common Council, June 11, 1872.

Passed to be ordained.

HENRY P. PERKINS, President.

In Board of Aldermen, June 11, 1872.

Passed to be ordained.

J. G. PEABODY, Mayor.

CITY OF LOWELL.

In the year Eighteen Hundred and Seventy-Two.

AN ORDINANCE PROVIDING FOR THE CARE AND MANAGEMENT OF
THE LOWELL WATER WORKS.

Be it ordained by the City Council of the City of Lowell, as follows :

SECTION 1. In the month of January, in the year eighteen hundred and seventy-three, and annually afterward in said month, the City Council shall elect by concurrent vote of the two branches, one member of the Board of Aldermen and two members of the Common Council, to be members of the Lowell Water Board, to hold office during the remainder of the municipal year in which they are elected, and until others are elected in their place, unless sooner removed. In the month of March or April, in the year eighteen hundred and seventy-three, there shall be elected, by concurrent vote of the two branches of the City Council, two members of the Lowell Water Board from the citizens at large, one member to serve for one year, and one for two years, and annually thereafter, in the month of March or April, one member from the citizens at large, to hold his office for two years from the first Monday in May, in the year of his election, and until another is elected in his place, unless sooner removed. Said members elected from the City Council, and from the citizens at large, shall at all times be subject to removal from office by the City Council for cause ; and vacancies from any cause may be filled at any time for the unexpired term, in the same manner as the original appointment.

SECTION 2. The persons elected from the City Council shall enter upon their duties as members of said Water Board forthwith ; and the persons elected from the citizens at large shall enter upon their duties on the first Monday in May. On the first Monday in

May, annually, the members shall meet and organize themselves into a Board, by the choice of one of their number as President. They shall also choose a Clerk, who shall not be a member of the Board; and they may make such rules and regulations for their own government, and for the government of all subordinate officers by them appointed, as they may deem expedient, not inconsistent with the statute law or City Ordinances.

SECTION 3. The Lowell Water Board shall have and exercise all the powers vested in the City Council by an act of the Legislature of Massachusetts, passed on the twenty-first day of May, in the year eighteen hundred and fifty-five, entitled "An Act for supplying the City of Lowell with Water," and by any acts in addition thereto, so far as the same can be legally delegated; and they shall more especially have the power to appoint a Superintendent,* and all necessary subordinate officers, agents, and assistants, and to remove the same at pleasure, and may fix their compensation, and the compensation of the Clerk before mentioned; *provided*, that the same shall not exceed in the whole the sum appropriated therefor by the City Council; but all the powers mentioned in this section shall be subject to any limitations and restrictions contained in the ordinances, regulations, and orders of the City Council. The Superintendent and Clerk shall be residents of Lowell.

SECTION 4. The Lowell Water Board shall annually, on or before the second Monday in January, present to the City Council a report containing a statement of the condition of the Water Works, and of the land and other property connected therewith, with an account of all receipts and expenditures, together with any information or suggestions which they may deem important, and at the same time transmit to the City Council the report of the Superintendent.

SECTION 5. The Water Board are authorized to sell or lease such of the property connected with the Water Works as they may deem expedient, subject to the approval of the Mayor. All deeds and leases shall be executed by the Mayor, and countersigned by the President of the Board.

SECTION 6. All bills for expenditures by the Water Board shall be certified by the President, examined by the Auditor, and approved by the Committee on Accounts, before they are paid by the Treasurer.

SECTION 7. The President of the Water Board shall exercise a general supervision over the Water Works, and the materials and property connected therewith, and over all subordinate officers and agents. In case of his absence or inability, his duties may be per-

* Amended February 23, 1875.

formed by a President *pro tempore*, to be chosen by the said Board. The members of the Board, chosen from the citizens at large, shall receive such compensation for their services as the City Council may determine.

SECTION 8. The Superintendent shall take charge of the aqueducts, lands, reservoirs, and other works and property connected with the Water Works, as the Water Board may from time to time direct; and he shall perform all such services in relation thereto as may be required of him by said Water Board. He shall on or before the fifth day of January, annually, present to the Water Board a report of the general condition of the Water Works, with a detailed statement of all expenditures in his department, and such other matters as he or the said Board may deem expedient.

SECTION 9. The Water Board shall determine and assess the water rates according to section twenty of this ordinance, and whenever requested by the City Council, shall prepare and send to the City Council a schedule of their assessments of water rates, and the Superintendent thereof shall at least once in each year visit the premises of every person who takes the water; shall exercise a constant supervision over the use of the water, and attend to the enforcement of all regulations relating thereto. He shall make out and distribute all bills for the same, and on or before the tenth day of January, annually, shall present to the Board a report, containing a statement of the number of water takers, the number of cases where the water has been cut off, the number and amount of abatements, the expenditures in his department, and such other matters as he or the said Board may deem expedient. He shall keep suitable books, in which shall be entered the names of all persons who take the water, the kind of building, the name and number of the street, the nature of the use, the number of taps, and the amount charged, which shall be always open to the inspection of the Water Board, and any committee of the City Council. He shall perform such other services as may be required of him by the Water Board.

SECTION 10. All moneys due the city on account of Water Works shall be paid to the City Treasurer, and the same shall be placed to the credit of the Water Department, to which use they shall be exclusively appropriated, and shall not be paid out except as provided in section six.

SECTION 11. The annual rent for the use of the water shall be payable in advance, on the first day of April, in each year. All charges for specific supplies, or for fractional parts of the year, shall be payable in advance, and before the water is let on.

SECTION 12. In all cases of the non-payment of the water rates for sixty days after the same are due, the Superintendent shall cut off the supply, and the water shall not again be let on, except upon the payment of the amount due, together with the sum of two dollars: *provided*, that in cases of specific supplies, or for fractional parts of the year, where the water has been let on, it may be cut off immediately after notice given at the place that the rent is not paid, and may be let on again upon the condition before mentioned.

Unless the Water Board shall otherwise direct, the foregoing provisions shall apply when two or more parties take the water through the same service pipe, although one or more may have paid the proportion due from him or them.

SECTION 13. The Superintendent, under the direction of the Water Board, may make abatements in the water rates, in all proper cases.

SECTION 14. No member of the Water Board, and no person appointed to any office or employed by virtue of this ordinance, or of the acts of the Legislature mentioned in the first section, shall be interested directly or indirectly in any contract, bargain, sale, or agreement in relation to the Water Works, or any matter or thing connected therewith, wherein the City is interested; and any and all contracts, bargains, sales, or agreements made in violation of this section shall be utterly void as to the City.

SECTION 15. Any person who shall injure any public pipe or reservoir connected with the Lowell Water Works, or who shall break and enter the same, or draw off, or cause to be removed any of the water therefrom, or shall turn on or off the water in any such water pipe or reservoir, or shall make any opening or connection with such pipe or reservoir, or remove the cover of any hydrant, except in case of fire, without the license or permit of the Water Board, or by authority of the Mayor and Aldermen, or Chief Engineer of the Fire Department, shall forfeit and pay for each offence not less than three nor more than twenty dollars.

SECTION 16. The Superintendent, under the direction of the Water Board, shall require all persons desiring water introduced into their premises, to sign an application therefor, after which he may without delay, proceed to lay the necessary service pipe, in all cases to the interior of the building, and all expense incurred beyond the line of the street shall be paid by the owner of the premises.

SECTION 17. The following regulations shall be considered a part of the contract with every person who takes the water; and every such person, by taking the water, shall be considered to express

his assent to be bound thereby. They shall be printed upon every bill for water rent, and whenever any one of them is violated, the water shall be cut off from the building or place of such violation, although two or more parties may receive the water through the same pipe, and shall not be let on again, except by the order of the Water Board, and on payment of two dollars; and in case of any such violation, the said Board shall have the right to declare any payment made for the water by the person committing such violation to be forfeited, and the same shall thereupon be forfeited.

REGULATIONS.

First. All persons taking the water shall keep the service pipes within their premises, including any area beneath the sidewalk, in good repair, and protected from frost at their own expense; and they will be held liable for all damage which may result from their failure to do so.

Second. They shall prevent all unnecessary waste of water, and there shall be no concealment of the purposes for which it is used.

Third. No alteration shall be made in any of the pipes and fixtures inserted by the City, except by its agents, who are to be allowed to enter the premises supplied, to examine the apparatus, and to ascertain whether there is any unnecessary waste.

Fourth. No water is allowed to be supplied to parties not entitled to the use of it under the City Ordinances, unless by special permission.

Fifth. The Superintendent, with the necessary agents and assistants, may enter the premises of any water-taker to examine the quantity used, and the manner of use, and to cut off the water for non-payment of rents or fines, or any violation of the foregoing rules.

SECTION 18. The occupant of any premises, when an unnecessary waste of water occurs, shall be liable to a fine of two dollars for the first offence, and four dollars for the second offence during the same year, and shall be notified thereof in writing, and if such waste shall not be prevented, and the fine aforesaid paid within two days from the time when said notice was given, the water shall be cut off from the said premises, and shall not again be let on until the waste be stopped and the fine paid, together with an additional sum of two dollars for cutting off and letting on the water; and in case of a third or subsequent offence, the water shall be cut off and shall not again be let on, except by vote of the Board and the payment of such fine, not exceeding ten dollars, as the Board may impose.

SECTION 19. The Water Board shall have power to establish such regulations as they may deem expedient for the introduction and use of water; and the water shall not be supplied to any build-

ing unless the pipes and fixtures shall be made conformable to the said regulations.

SECTION 20. The following rates shall be charged annually for the use of the water, from and after the first day of April in the year eighteen hundred and seventy-three, and pro-rata for all fractional parts of a year, prior or subsequent to that date.

FIRST. For a family not exceeding four persons, six dollars.

SECOND. For every additional person, fifty cents, until the number shall be twelve, then to be rated as a boarding-house.

Boarding-houses of more than twelve persons, shall pay thirty-five cents for each person additional.

Fixtures Allowed. Under the foregoing rates the fixtures allowed in constant use shall be one hot and one cold water faucet at two sinks, and two wash basins.

Sinks and Basins. All sinks more than two shall be assessed one dollar each, and all wash basins more than two shall be assessed fifty cents each.

Water Closets. Water closets in dwellings, stores, and shops shall be assessed fifty cents for each person residing or employed on the premises, provided no water closet shall be assessed less than four dollars; and where more than one water closet is in use, each additional one shall be assessed two dollars.

For Stores, &c. For each store, office, warehouse, machine or other shop, or foundry, fifty cents shall be assessed for each individual using water in sinks and urinals for sanitary purposes only, provided that no assessment on any such premises shall be less than three dollars.

Baths. Bath tubs in dwellings or tenements shall be assessed seventy-five cents for each person residing in such dwelling or tenement, *provided*, that no bath tub shall be assessed less than three dollars; and each bath tub more than one in any dwelling or tenement shall be assessed one dollar.

Set wash tubs in dwellings shall be assessed one dollar each.

Steam boilers in dwellings, for heating purposes, shall be assessed two dollars each.

Persons Counted. In ascertaining the number of persons as a basis for assessments provided for in this section, children and servants shall be counted.

THIRD. Private stables, including water for washing carriages, four dollars, and for each horse over one, two dollars; each cow, two dollars; livery stables, including water for washing carriages, for each horse, two dollars, *provided*, that in no case shall any sale or livery stable be charged less than twenty-five dollars; omnibus or horse-railroad stables, for each horse one dollar and fifty cents; truckmen's stables, for each horse one dollar and fifty cents.

FOURTH. The right to attach a hose of not more than five-eighths of an inch orifice, for washing windows, sprinkling streets or gardens, or for use in stables, in addition to the charge for other uses, not less than three dollars. The use of the same shall be limited to one hour per day.*

For Building Purposes. For every cask of lime or cement used, six cents.

Steam Engines. For each engine working not over twelve hours a day, for each horse power, four dollars.

Hotels. For each bed for boarders and lodgers, three dollars and fifty cents, or special arrangements may be made by the Water Board.

* Amended July 22, 1873.

Baths. For public baths, and for each bath in any hotel, ten dollars.

Water closets in public bath-houses, ten dollars.

Meters. The Water Board shall have power to ascertain by meter the quantity of water used in any case, and the proprietors of hotels, taverns, and boarding houses, mentioned in section twenty of this ordinance, shall also have power to place within their premises, at their own expense, a sufficient water meter to be approved by the Superintendent, for the purpose of measuring the quantity of water by them respectively used. And when in any case the quantity used shall be ascertained and measured in manner before mentioned, the Water Board may establish a water rate therefor instead of the specific rate hereinbefore established.

When water is required for purposes not specified in the foregoing tariff, the rates shall be fixed by the Water Board.

SECTION 21. For water used by the city an account shall be made, and the amount thereof shall be charged to the proper appropriations and credited to the Water Works.

SECTION 22. It shall be the duty of the Police of the city to report to the Mayor all cases of the leakage, waste, or unnecessary profusion in the use of the water, and all violations of the water ordinances, that may be brought to their notice.

SECTION 23. Until the City Council shall elect a Water Board, as provided by the first section of this ordinance, all powers and duties prescribed therein shall be vested in the Joint Committee of the City Council on Water Works.

SECTION 24. All ordinances or parts of ordinances inconsistent with the provisions of this ordinance are hereby repealed.

In Common Council, July 11, 1872.

Passed to be ordained.

HENRY P. PERKINS, President.

In Board of Aldermen, July 11, 1872.

Passed to be ordained.

J. G. PEABODY, Mayor.

CITY OF LOWELL.

In the year Eighteen Hundred and Seventy-Two.

AN ORDINANCE RELATING TO THE FIRE ALARM TELEGRAPH.

Be it ordained by the City Council of the City of Lowell, as follows :

SECTION 1. Any person or persons who shall wilfully deface, injure, or destroy, or in any way interfere with the Fire Alarm Telegraph in this city, or any part thereof, or any of its appurtenances, shall for every such offence forfeit and pay a penalty of twenty dollars for the use of the city.

SECTION 2. Any person who shall open any alarm-box connected with the Fire Alarm Telegraph, without having authority so to do, shall forfeit and pay therefor a penalty of twenty dollars for the offence, for the use of the city.

In Common Council, November 26, 1872.

Passed to be ordained.

HENRY P. PERKINS, President.

In Board of Aldermen, November 26, 1872.

Passed to be ordained.

J. G. PEABODY, Mayor.

[The foregoing Ordinance was approved by the Superior Court, September 19, 1873.]

CITY OF LOWELL.

In the year Eighteen Hundred and Seventy-Two.

AN ORDINANCE TO AMEND CHAPTER TWENTY OF THE ORDINANCES
OF THE CITY OF LOWELL.

Be it ordained by the City Council of the City of Lowell, as follows:

That Section Three, of Chapter Twenty, of the Ordinances of the City of Lowell, be amended by inserting after the word "November" the words "or December."

In Common Council, December 10, 1872.

Passed to be ordained.

HENRY P. PERKINS, President.

In Board of Aldermen, December 10, 1872.

Passed to be ordained.

J. G. PEABODY, Mayor.

CITY OF LOWELL.

In the year Eighteen Hundred and Seventy-Three.

AN ORDINANCE PROVIDING FOR A SINKING FUND FOR THE REDEMPTION OF THE CITY OF LOWELL WATER BONDS.

Be it ordained by the City Council of the City of Lowell, as follows :

SECTION 1. For the purpose of providing for the debt of the City of Lowell now existing, or that may hereafter exist by reason of the introduction of water, a fund is hereby established, to be called the City of Lowell Water Loan Sinking Fund.

SECTION 2. For the payment of the certificates of debt known as the City of Lowell Water Bonds, there shall annually be appropriated the sum of Twenty-five Thousand Dollars, to be raised by taxation, and said sum so raised from year to year, together with its accumulations of interest, shall be pledged and held as said City of Lowell Water Loan Sinking Fund, and shall be invested by the City Treasurer, under direction of the Joint Committee on Finance, for the redemption and payment of the said City of Lowell Water Loan Bonds, due November 1, 1890.

In Common Council, March 11, 1873.

Passed to be ordained.

ALBERT A. HAGGETT, President.

In Board of Aldermen, March 11, 1873.

Passed to be ordained.

FRANCIS JEWETT, Mayor.

CITY OF LOWELL.

In the year Eighteen Hundred and Seventy-Three.

AN ORDINANCE TO AMEND THE ORDINANCES OF THE CITY OF
LOWELL.

Be it ordained by the City Council of the City of Lowell, as follows :

That Section Two of Chapter Fifteen, and Section One of Chapter Thirty-six, of the Ordinances of the City of Lowell, be, and they are hereby amended by striking out in each section the words "and the land leased by the City of the Proprietors of the Locks and Canals on Merrimack River, in the rear of the Market House Building, extending southerly to the canal," and inserting in place thereof, in each of said sections, the words "in the rear and at the westerly end of the Market House Building."

In Common Council, March 25, 1873.

Passed to be ordained.

ALBERT A. HAGGETT, President.

In Board of Aldermen, March 25, 1873.

Passed to be ordained.

FRANCIS JEWETT, Mayor.

CITY OF LOWELL.

In the year Eighteen Hundred and Seventy-Three.

AN ORDINANCE CONCERNING THE BURIAL OF THE DEAD.

Be it ordained by the City Council of the City of Lowell, as follows :

SECTION 1. All burials and interments of the bodies of the dead within the city, and all removals of such bodies from the city, shall be under the direction of the Superintendent of Burials, who shall, by himself, or by undertakers duly licensed by the Mayor and Aldermen, attend, manage, and conduct in a proper manner, all funerals in the city, bury the dead, keep the walls, fences, and gates of the several burial-grounds belonging to the city in good and proper repair, and take care that said places of burial be well secured and enclosed at all times ; point out the place, depth and width of every grave to be dug therein ; cause the graves to be dug in exact ranges, parallel with each other, and the ranges, tombs and graves to be numbered ; and also record in a book, to be kept by him for the purpose, the name, the date of the death, the age, the sex, the color, the condition—(whether married, widowed or single)—the residence, the occupation, the place of death, the place of birth, the names and places of birth of parents, of each person buried, the disease of which such person died, the time and place of the burial, the number and position of the grave, and of the range or tomb where buried or deposited ; which record shall, at the end of each year, be deposited with the City Clerk, who shall carefully preserve the same for the City.

SECTION 2. The Superintendent of Burials shall furnish, on Monday morning of each week, to each daily newspaper in the city, a correct list of all the deaths which occurred within the city during the week previous, with the names, dates, ages, and diseases.

SECTION 3. The Mayor and Aldermen shall annually, previous to the first day of July, license a suitable number of Undertakers to

take charge, under the direction of the Superintendent of Burials, of the obsequies or funeral rites preliminary to the interment of a human body. Such licenses shall be in force until new ones are granted in the ensuing year, but may be revoked at any time by the Mayor and Aldermen.

SECTION 4. Undertakers shall provide their own hearses, horses and equipments at their own expense; and shall dig the graves, attend and manage funerals, and bury the dead whenever requested, subject to the control and direction of the Superintendent of Burials.

SECTION 5. The Superintendent of Burials and Undertakers shall receive, as full compensation for all services required in this chapter, the following fees: For the funeral and burial of a body of a person twelve or more years of age, buried in the city, six dollars; under twelve, five dollars and fifty cents, and in addition to the above any excess over two dollars which they may actually pay the proprietors of the Lowell Cemetery for digging the grave; and for any body buried in any burial ground other than said Lowell Cemetery, in Lowell, in the months of December, January, February and March, one dollar in addition to the above; provided that the fees for the burial of any pauper, if over twelve years of age, shall be three dollars, if under twelve, two dollars, and that when a body is carried into a church for a funeral service an addition of one dollar shall be allowed.

SECTION 6. The Superintendent of Burials in case of his inability to obtain an Undertaker, or for other special and sufficient cause, may license, in writing, a suitable person to bury a dead body; and upon application of a friend or relative of a deceased person he shall in writing license the removal of a dead body from the city, unless some sufficient special cause requires the withholding of such license, and, except as herein provided, no person shall remove a dead body from the city, nor any person other than an Undertaker, duly licensed, bury a dead body.

SECTION 7. Whenever a dead body shall be removed from the city, said Superintendent of Burials shall record, in his Book of Records, the name, age and sex of such deceased person, his place of residence and family, the time when, the place where, and the disease of which such person died, the time of such removal, the name and place of residence of the person who made the same, and the place to which such body was removed for interment.

SECTION 8. Every Undertaker or other person, at each funeral under his charge, shall forthwith obtain and return to the Clerk of the City, the name, the date of the death, the sex, the color, the condi-

tion (whether married, widowed or single), the age, the residence, the occupation, the place of death, the place of birth, the disease or cause of the death, the place of burial, and the names and places of the birth of the parents of the deceased, to be recorded by the said Clerk in accordance with the provisions of law.

The Superintendent of Burials shall see that the duties required in this section are carefully and properly discharged.

SECTION 9. The Clerk upon recording the facts returned by the Undertaker or other person, shall forthwith give to the person making such return, a certificate that such return has been made, which certificate such person shall deliver to the person having charge of the interment, if other than himself, before the burial when practicable, otherwise within seven days thereafter. When a burial takes place and no certificate is delivered as aforesaid, the Undertaker, or other person having charge of the interment, shall forthwith give notice thereof to the Clerk under penalty of twenty dollars.

SECTION 10. No dead body shall be removed from any grave or tomb in the city, without the written license of said Superintendent of Burials, who shall attend himself, or cause a licensed Undertaker to attend all such removals.

SECTION 11. Any person who shall neglect or offend against any of the provisions of this chapter shall be punished for each offence by a fine not exceeding twenty dollars.

SECTION 12. Chapter Two of the Ordinances of the city, also the Ordinance passed on the ninth day of June, in the year eighteen hundred and sixty-eight, as an amendment to said Chapter Two, also the Ordinance passed March fourteenth, in the year eighteen hundred and seventy-one, as an amendment to Chapter Twenty of the Ordinances, and all by-laws and ordinances of the city inconsistent herewith are hereby repealed; and the second section of Chapter Twenty of the Ordinances of the City is amended by striking therefrom the words "three or more Undertakers of Funerals."

In Common Council, May 13, 1873.

Passed to be ordained.

ALBERT A. HAGGETT, President.

In Board of Aldermen, May 13, 1873.

Passed to be ordained.

FRANCIS JEWETT, Mayor.

CITY OF LOWELL.

In the year Eighteen Hundred and Seventy-Three.

AN ORDINANCE CONCERNING THE BUILDING OF COMMON SEWERS
AND PUBLIC DRAINS.

Be it ordained by the City Council of the City of Lowell, as follows:

SECTION 1. All Common Sewers and Public Drains which may hereafter be built under the authority of the City Council, or the Mayor and Aldermen, shall be so built under the immediate direction and superintendence of the Joint Standing Committee on Sewers and Drains, and said Committee shall name the materials and dimensions of which said Sewers and Drains shall be constructed, and may make and sign such contracts for labor and materials for the building thereof, as they may see fit to make and sign.

SECTION 2. All ordinances and parts of ordinances inconsistent with the provisions of this ordinance are hereby repealed.

In Common Council, May 27, 1873.

Passed to be ordained.

ALBERT A. HAGGETT, President.

In Board of Aldermen, May 27, 1873.

Passed to be ordained.

FRANCIS JEWETT, Mayor.

CITY OF LOWELL.

In the year Eighteen Hundred and Seventy-Three.

AN ORDINANCE TO PROHIBIT AN IMPROPER USE OF THE WATER
FURNISHED BY THE LOWELL WATER WORKS.

Be it ordained by the City Council of the City of Lowell, as follows :

SECTION 1. The use of the hose, mentioned in the Fourth clause of Section Twenty of the ordinance passed by the City of Lowell, July 12th, 1872, entitled "An Ordinance providing for the care and management of the Lowell Water Works," for the purposes therein mentioned, is hereby made subject to the further limitation that the water shall only be used on the street and the premises of the person or persons paying the city for such use, and upon the premises of no other person.

SECTION 2. Whoever offends against the provisions of this ordinance shall be subject to the fines and liabilities provided for in Section Eighteen of said ordinance, passed July 12, 1872.

In Common Council, July 22, 1873.

Passed to be ordained.

NATHAN W. FRYE, President, *pro tem*.

In Board of Aldermen, July 22, 1873.

Passed to be ordained.

FRANCIS JEWETT, Mayor.

CITY OF LOWELL.

In the year Eighteen Hundred and Seventy-Three.

AN ORDINANCE CONCERNING TRUANT CHILDREN AND ABSENTEES
FROM SCHOOL.

Be it ordained by the City Council of the City of Lowell, as follows :

SECTION 1. The City of Lowell hereby adopts Chapter Two Hundred and Sixty-Two of the Laws of the Commonwealth, for the year eighteen hundred and seventy-three, entitled "An Act concerning Truant Children and Absentees from School."

SECTION 2. Any minor convicted of being an habitual truant, or any child between the ages of seven and fifteen years who shall, on complaint, before any justice or court having jurisdiction, be convicted of wandering about in the streets and public places of the City of Lowell, having no lawful employment or business, not attending school and growing up in ignorance, shall be committed to the "Institution of Instruction and House of Reformation" in said city, not exceeding two years, as the justice or court may determine.

SECTION 3. The House for the Reception, Instruction, Employment and Reformation of Juvenile Offenders, connected with the Almshouse in said city, is hereby assigned and provided as the place of confinement, discipline, and instruction of the persons mentioned in said Chapter.

SECTION 4. Chapter Thirty-Two of the Ordinances of the City of Lowell, passed October 28, 1863, is hereby repealed, provided that such repeal shall not affect any action commenced under the same previous to the passage of this Ordinance.

In Common Council, September 9, 1873.

Passed to be ordained.

ALBERT A. HAGGETT, President.

In Board of Aldermen, September 9, 1873.

Passed to be ordained.

FRANCIS JEWETT, Mayor.

The foregoing Ordinance was approved by the Superior Court, September 19, 1873.

CITY OF LOWELL.

In the year Eighteen Hundred and Seventy-Three.

AN ORDINANCE RELATING TO PAWNBROKERS.

Be it ordained by the City Council of the City of Lowell, as follows:

SECTION 1. No person shall carry on the business of a Pawnbroker in this city unless he is duly licensed therefor by the Mayor and Aldermen.

SECTION 2. Every person licensed as aforesaid, shall keep a book at his place of business, in which he shall enter at the time of receiving the same, a minute description of any article left for pawn, particularly mentioning any prominent or descriptive marks on the same, with the name, age and residence (giving the street and number when possible), of the person from whom he received it, noting also the day and hour and the amount paid thereon; and the book and articles left for pawn shall at all times be open to the inspection of the Mayor or either of the Aldermen, or of any person authorized by the Mayor and Aldermen to examine them.

SECTION 3. No Pawnbroker shall, directly or indirectly, receive any article in pawn of any minor or apprentice, knowing or having reasonable cause to believe him to be such, without the consent in writing of the parent, guardian or master of such minor or apprentice, and no article received in pawn shall be sold until at least three months after the expiration of the time for which the same was pawned or pledged, and in the manner provided in Chapter One Hundred and Fifty-One of the General Statutes.

SECTION 4. All licenses granted under this ordinance shall designate the place where the person licensed may carry on his business, and he shall not carry on the business at any other place within the city.

SECTION 5. The fee for a license under this ordinance shall be twenty dollars, and a license may be revoked at any time; and every person licensed as a Pawnbroker shall execute a bond to the city in the sum of three hundred dollars, conditioned that the said licensed person will in every particular conform to the requirements of this ordinance and the laws of the Commonwealth relating to Pawnbrokers.

In Common Council, October 28, 1873.

Passed to be ordained.

ALBERT A. HAGGETT, President.

In Board of Aldermen, October 28, 1873.

Passed to be ordained.

FRANCIS JEWETT, Mayor.

CITY OF LOWELL.

In the year Eighteen Hundred and Seventy-Three.

AN ORDINANCE RELATING TO STENCH-TRAPS IN SEWERS AND
DRAINS.

Be it ordained by the City Council of the City of Lowell, as follows:

SECTION 1. Every private drain connecting with a main drain or common sewer in the City of Lowell, shall be provided with a suitable stench-trap, which shall be located outside of all house connections.

SECTION 2. Any person having a drain already connected with a main drain, and having no such trap, who shall fail to provide the same after the expiration of three days' notice from the City Marshal, or any person who shall hereafter fail to provide such trap at the time of making such connection, shall forfeit and pay therefor a sum not exceeding twenty dollars.

In Common Council, October 28, 1873.

Passed to be ordained.

ALBERT A. HAGGETT, President.

In Board of Aldermen, October 28, 1873.

Passed to be ordained.

FRANCIS JEWETT, Mayor.

CITY OF LOWELL.

In the year Eighteen Hundred and Seventy-Three.

AN ORDINANCE AMENDING CHAPTER THIRTY OF THE ORDINANCES
OF THE CITY OF LOWELL.

Be it ordained by the City Council of the City of Lowell, as follows :

SECTION 1. That Section One of Chapter Thirty of the Ordinances of the City, be and hereby is amended by adding thereto the words: "nor shall any person slaughter swine in the public streets of the city."

In Common Council, December 23, 1873.

Passed to be ordained.

ALBERT A. HAGGETT, President.

In Board of Aldermen, December 23, 1873.

Passed to be ordained.

FRANCIS JEWETT, Mayor.

CITY OF LOWELL.

In the year Eighteen Hundred and Seventy-Four.

AN ORDINANCE FOR THE CONSTRUCTION AND MAINTENANCE OF
SEWERS AND DRAINS.

Be it ordained by the City Council of the City of Lowell, as follows :

SECTION 1. The Mayor and Aldermen shall order, lay, make, and maintain, of such materials and dimensions as they deem proper, all such main drains and common sewers as they shall adjudge to be necessary for the public convenience or the public health, through the public streets or through the lands of any persons or corporations, and may repair the same from time to time whenever repair thereof shall be necessary, and all main drains or common sewers so laid shall be the property of the city.

SECTION 2. When any lands or real estate of any persons or corporations shall be taken for the purpose named in section one, the proceedings shall be the same as is provided in the ordinances of Lowell for the laying out of highways or streets.

SECTION 3. All persons or corporations suffering damage in their property by reason of the laying, making, or maintaining of any main drains or common sewers, shall have the same rights and remedies for ascertaining and recovering the amount of such damage as in the case of the laying out of highways or streets.

SECTION 4. One-half the expense of constructing, maintaining, and repairing any main drain or common sewer, also the whole cost of all man-holes and catch-basins, shall be paid by the city, the other one-half thereof shall be assessed by the Mayor and Aldermen upon such persons as enter their particular drains into such main drain or common sewer for the draining of his cellar or land, and upon such persons as by more remote means shall receive any benefit from such main drain or common sewer for draining his cellar or land.

SECTION 5. The Mayor and Aldermen shall first proceed and determine the amount of each lot of land or part of a lot benefited by any main drain or common sewer, and then the assessment shall be made and apportioned among the different owners of the land so benefited according to the value of the land benefited independently of buildings and improvements.

SECTION 6. When such assessments are made and apportioned, they shall be certified and signed by the Mayor and Aldermen, and notice of his assessment and the amount thereof shall be given to the party to be charged or to his tenant or lessee.

SECTION 7. Any person may enter his particular drain into any main drain or common sewer heretofore built, or which may be hereafter built or repaired under the authority of the city, on receiving the written consent of the Mayor and Aldermen; provided, such person shall first pay such assessment therefor as may be required of him under or by the laws of this Commonwealth; and provided, also, that in the materials and construction of such particular drain, he shall comply with the directions and conditions that the Mayor and Aldermen may prescribe.

SECTION 8. Every person who shall connect his particular drain with any main drain or common sewer aforesaid, without complying with the terms of the last preceding section, shall forfeit and pay the sum of twenty dollars, together with such damages by way of indemnification as the Mayor and Aldermen shall deem just and reasonable; and shall be liable to have such particular drain at any time closed up.

SECTION 9. The Mayor and Aldermen shall have power in all cases where there is any common sewer in any street, highway, passageway, or alley, to cause every owner of land adjoining such street, highway, passageway, or alley, his agent or tenant, to make a sufficient drain from his house, yard, or lot, whenever in their opinion the same shall be necessary; and shall, upon ordering such drain, give notice in writing to such owner, agent, or tenant, specifying the time within which such drain shall be completed, and in case such owner, agent, or tenant shall neglect to complete the same within the time specified, the Mayor and Aldermen shall cause the same to be done, and shall recover the whole amount of the expense thereof, together with ten per cent. additional damages, by an action, to be brought in the name of the city, before any court proper to try the same; provided, however, that said additional damages shall in no case exceed twenty dollars.

SECTION 10. The Superintendent of Streets shall, under the direction of the Mayor and Aldermen, take the general care and superintendence of all the common sewers which now are or may

hereafter be built or owned by the city, or which may be permitted to be built or opened by its authority; and he shall take charge of the repairing of the same (and make all contracts for the supply of labor and materials therefor), and keep an accurate account of the expense thereof, and report the same to the Mayor and Aldermen.

SECTION 11. The Auditor shall enter in a book to be kept for that purpose, all assessments made by the Mayor and Aldermen under the second section of the aforesaid act; and shall forthwith make out bills for the same and deliver them to the City Treasurer for collection, and the Treasurer shall forthwith demand payment in writing of the said bills, in the manner prescribed by law; and in case any bills or dues under this chapter remain unpaid at the expiration of three months after such demand, the Treasurer shall cause the same to be collected by a resort to the proper legal process.

SECTION 12. The Mayor and Aldermen shall in no case proceed to construct a common sewer or main drain until an appropriation to defray the cost of the same shall have been made by the City Council.

SECTION 13. Chapter Twenty-Five of the Ordinances of the City of Lowell is hereby repealed.

In Common Council, February 10, 1874.

Passed to be ordained.

NATHAN W. FRYE, President.

In Board of Aldermen, February 10, 1874.

Passed to be ordained.

FRANCIS JEWETT, Mayor.

CITY OF LOWELL.

In the year Eighteen Hundred and Seventy-Four.

AN ORDINANCE TO AMEND CHAPTER TWENTY-NINE OF THE ORDINANCES OF THE CITY OF LOWELL, RELATING TO THE FEES FOR SURVEYING LUMBER.

Be it ordained by the City Council of the City of Lowell, as follows :

That Section Two of Chapter Twenty-Nine of the Ordinances of the City of Lowell, be, and the same hereby is amended by striking out the word "seventeen" in the eleventh line, and inserting in place thereof the words "twenty-five," and by striking out the words "twelve and one-half" in the fourteenth line, and inserting the word "twenty" in place thereof.

In Common Council, April 14, 1874.

Passed to be ordained.

NATHAN W. FRYE, President.

In Board of Aldermen, April 14, 1874.

Passed to be ordained.

FRANCIS JEWETT, Mayor.

CITY OF LOWELL.

In the year Eighteen Hundred and Seventy-Four.

AN ORDINANCE RELATING TO MEASURERS OF WOOD AND BARK,
AND WEAIGHERS OF HAY AND OTHER ARTICLES.

Be it ordained by the City Council of the City of Lowell, as follows :

That Section Two of Chapter Twenty of the Ordinances of the City of Lowell, be amended in the fourth line by striking out the words "a Measurer" and inserting in place thereof the words "two or more Measurers," and by striking out in the fifth line the words "a Weigher" and inserting in place thereof the words "two or more Weighers."

In Common Council, October 27, 1874.

Passed to be ordained.

NATHAN W. FRYE, President.

In Board of Aldermen, October 27, 1874.

Passed to be ordained.

FRANCIS JEWETT, Mayor.

CITY OF LOWELL.

In the year Eighteen Hundred and Seventy-Four.

AN ORDINANCE RELATING TO THE COMMITTEE ON APPROPRIATIONS.

Be it ordained by the City Council of the City of Lowell, as follows :

SECTION 1. In each year hereafter, the Alderman elected a member of the Lowell Water Board, shall be a member of the Committee on Appropriations.

In Common Council, December 31, 1874.

Passed to be ordained.

NATHAN W. FRYE, President.

In Board of Aldermen, December 31, 1874.

Passed to be ordained.

FRANCIS JEWETT, Mayor.

CITY OF LOWELL.

In the year Eighteen Hundred and Seventy-Five.

AN ORDINANCE RELATING TO THE SUPERINTENDENT OF THE
WATER WORKS.

Be it ordained by the City Council of the City of Lowell, as follows :

SECTION 1. There shall be chosen annually, by ballot, in the month of March or April, by concurrent vote of both branches of the City Council, a Superintendent of the Water Works, who shall enter upon his duties the first Monday in May, and he shall be removable from office at the pleasure of the City Council.

SECTION 2. The salary of said Superintendent shall be fixed by the City Council in the month of March of the present year, for the year commencing on the first Monday of May next, and thereafter in each year at the time of fixing the salaries of other city officers, in the month of November or December, for the year commencing on the first Monday of May next ensuing.

SECTION 3. Any Ordinance or part of any Ordinance inconsistent herewith, is hereby repealed.

In Common Council, February 23, 1875.

Passed to be ordained:

ALBERT A. HAGGETT, President.

In Board of Aldermen, February 23, 1875.

Passed to be ordained.

FRANCIS JEWETT, Mayor.

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FORTY-NINTH

ANNUAL REPORT

OF THE

SCHOOL COMMITTEE

OF THE

CITY OF LOWELL,

TOGETHER WITH THE

ELEVENTH ANNUAL REPORT

OF THE

SUPERINTENDENT OF PUBLIC SCHOOLS.

1874.



LOWELL, MASS.:
STONE, HUSE & CO., STEAM BOOK AND JOB PRINTERS, No. 130 CENTRAL STREET,
1875.

CITY OF LOWELL.

IN SCHOOL COMMITTEE, }
January 2, 1875. }

BENJ. J. WILLIAMS, Esq., Chairman of the Committee on Reports, having presented the subjoined report this day, it was unanimously adopted as the Report of the School Committee for 1874.

The Superintendent having at the same time submitted his Annual Report, it was unanimously adopted.

It was voted that thirty-five hundred copies of the above Reports be printed and distributed, under the direction of the Committee on Reports.

CHARLES MORRILL, *Secretary*.

REPORT.

THE School Committee of the City of Lowell, in submitting their Annual Report, desire in the beginning to express their deliberate opinion, that the public schools of the city have never been in better condition than at the present time. Year by year our school-house accommodations have been increased and improved, until now, though wanting in so many respects (some of which will be hereafter alluded to), they certainly are, upon the whole, the best which we have yet enjoyed. Our teachers are all earnest and faithful, and in general show a disposition to discard old and refuted ideas of discipline and instruction, and to substitute in their place the ideas which modern progress and enlightenment have approved. These ideas in certain important particulars find their expression in the rules of the Board, the execution of which is zealously guarded by our vigilant yet discriminating Superintendent, and which are the product of the wisdom of the best minds which from time to time have contributed to our counsels. For example, we would refer to that rule which prohibits corporal punishment in the schools excepting when other means fail. This

species of punishment, now for years obsolete in the High School, has become of very infrequent use in the Grammar and Primary Schools, as compared with the olden time; and the Committee have full confidence that in general its use is confined within the letter and spirit of the rule. As a result of thus appealing always of preference to higher influences than those of brute force and physical torture, the lowest species of sanction to authority, we have now exhibited in our schools a superior order and deportment, which never would have been dreamed of in the days when corporal punishment was common and indiscriminate. Again, the beneficial results of the observance of the rules requiring teachers not to insist upon or allow from scholars mere repetition from memory of the words of text-books, but to encourage scholars in using their own language and thoughts in expression of the instruction derived by them, are very great. The scholar is now taught to think and to invent language, not merely to repeat, parrot-like, without understanding, the words of others. Above all, the Committee are enabled to say, as a general proposition expressive of the good results of improved ideas put to practice, that in their judgment never has there been a higher tone and character in our schools, or a more perfect accord and cheerful, happy working together between teachers and scholars therein, than now. Such a state of things must conduce to the highest advantage of, as it certainly is honorable to, all concerned, and is matter of profound congratulation.

Let us now glance at the different grades of schools, and at certain changes which have taken place therein.

THE HIGH SCHOOL.

At the close of the last school year, the respected principal of the High School, Mr. C. C. Chase, was, at his request, given leave of absence by the Board, that he might have opportunity to recover his health, somewhat impaired by long and devoted application to the responsible duties of his position. His leave of absence was continued at the last regular meeting of the Board. The school is now, as it has been from the beginning of the present school year, temporarily under the chief charge and direction of Mr. Edwin H. Lord, the teacher of Natural Sciences therein. Mr. Lord discharges the new duties which he has assumed with the same vigor and capacity which he had always exhibited in his own particular department. Mr. Frank T. Benner has been temporarily employed as a teacher in the classical department, in which he is now teaching with great satisfaction. It is enough to say of the mathematical department of the school, that under the direction of its veteran instructor, Mr. Russell, it maintains its fixed and standard reputation for thorough and reliable instruction. And of the female assistants in the school it is surely enough to say, that all continue to instruct with the same happy results which year after year have moved the expressed admiration of the Board and of all the numerous friends of the noble institution which they adorn by their talents and accomplishments.

THE GRAMMAR SCHOOLS.

Several important changes have taken place in our Grammar Schools since the last report. In July last two

principals resigned their positions — Mr. George F. Lawton, of the Green School, and Mr. S. G. Bailey, of the Franklin. Mr. Lawton's success as a teacher has perhaps not been surpassed in our city; to a superior talent for organization, discipline and instruction, he united that personal presence and bearing which in a teacher always command alike the respect and affection of scholars. It was with many and sincere regrets of the Board and of all friends of education that he retired from his position. To Mr. Bailey it is due that we should express our sense of the faithful and conscientious manner in which he discharged the duties of a trying and difficult position. Rarely have we had the services of a more devoted teacher. We cannot doubt that in after life the influence of his high character and example will always be felt by those who were privileged to be his late scholars. The vacancy created in the headship of the Green School by the resignation of Mr. Lawton has been filled, at first temporarily, and now permanently, by the election thereto of Mr. Albert L. Fisk. Mr. Fisk was once a member of this Board, and he also having had considerable experience as a teacher, we are justified in expecting his success in the position which he now holds. The vacancy in the headship of the Franklin School, caused by the resignation of Mr. Bailey, has been filled by transferring thereto Mr. Perley Balch, formerly of the Colburn School. This old and tried teacher, whose name for over a quarter of a century has been the synonyme of the best and strongest teaching which our city could show, has in truth organized success in his new charge, and produced results in government and instruction for which he has the warmest gratitude

of the Board and of all interested in the school. The Committee can safely assert, that, in his hands, the Franklin School, in the management of which there seems always to have been heretofore peculiar difficulties, will now take nothing less than the first rank. The vacancy left in the Colburn School by the transfer therefrom of Mr. Balch to the Franklin, has been filled, at first temporarily and now permanently, by the election thereto of Mr. Albert L. Bacheller. Mr. Bacheller is without previous experience as a teacher, but he applies himself earnestly to his duties with improving results. Our Grammar Schools, other than as above mentioned, now remain in charge of the same principals as at the time of the last report, and each principal is doing the same customary standard work as heretofore. Perhaps it may be well to add that Mr. Peabody, of the Moody School, though last spring given leave of absence by the Board on account of his then serious illness, yet did not to any extent avail himself of the same, but continued, with little interruption, devotedly at his post. His health is now much improved, and his school has never been in better condition than now. The female assistants in all our Grammar Schools labor zealously and faithfully in accord with their principals, and to them, in their sphere of action, is due much of the credit for the prosperity of these schools. It would be most grateful to the feelings of the Committee if space would permit them to make special and individual notice of these teachers.

In pursuance of the vote of the Board, and of the action of the Committee on Lands and Buildings of the City Council, the principal's room and adjoining recitation room in the

Edson, Moody, and Bartlett Schools respectively, were at the close of the last school year re-arranged, so as to make of each principal's room, with the adjoining recitation room, two rooms of equal size, and each provided with seats for scholars. Under this arrangement another teacher has been employed for each of these schools, additional accommodations have been secured, and the principal, now having his first assistant in his own room attending to government and instruction therein, is enabled to spend a considerable portion of his time in the general oversight and direction of his other rooms, by which the teachers in charge of these are encouraged and strengthened in their work, and system and harmony between the different rooms, such as were not before attainable, are now introduced. If this new arrangement in the schools mentioned shall continue satisfactory, it will in the present year be introduced into all our Grammar Schools not already so arranged.

THE PRIMARY SCHOOLS.

No teachers can be more worthy, patient and untiring in their exertions than those in our Primary Schools. They are placed in a position of peculiar trial and difficulty, in that they are required to deal with children so young as to be but imperfectly open to the influence of reason, while at the same time the tenderness of extreme youth precludes resort to stern government. In certain respects the difficulties of other teachers do not compare with those of teachers in these schools. Nor can the importance of this branch of our public school service be overrated. Here is the begin-

ning of education with our youth—here are impressions produced, destined in the end to exert a more far-reaching influence than anything which comes afterward, when the mind of the scholar is less plastic. Perhaps in the general estimation these teachers do not receive the justice which is due them; but in the minds of all thoughtful educators, to them is due a full share of the highest honors. The number of Primary Schools has been increased, as a result of annexation of adjoining territory to our city. We have now two schools formerly within the limits of Dracut, and one formerly within the limits of Chelmsford. The recent introduction of music into our Primary Schools will, under the charge of our estimable teacher of music, Mr. George F. Willey, be productive of much enjoyment and advantage alike to teachers and scholars, if it be not carried so far as to become burdensome to both.

THE DRAWING SCHOOLS.

We have now in operation two different special Drawing Schools, the one under the charge of Mr. Channing Whitaker, for instruction in Free Instrumental Drawing, Machine, Architectural, Shades and Shadows, &c.; and the other under the charge of Mr. B. Harrison, for instruction in Free-hand Drawing. Both these gentlemen are thorough and enthusiastic in their work. The importance of these Drawing Schools, in this great manufacturing city, cannot be too highly regarded. To their results in art, invention and design are we entitled to look for a large contribution to whatever may hereafter lead progress and advancement

in our mills and workshops; and we cannot expect, as an industrial community, to continue to compete successfully with rival communities elsewhere, unless we are equipped with all the resources which these schools are calculated in their effects to devise and improve, in whatever touches the mechanical and industrial arts.

THE EVENING SCHOOLS.

Our Evening Schools, under the attentive care of the Standing Committee having them in charge, continue to show satisfactory results. These schools are doubtless of great benefit to the class of persons that they are intended to reach, and, through their improvement by them, to the whole community. It may be a question, however, whether something could not be done towards securing better accommodations, order and system in these schools.

SCHOOL-HOUSES.

The Committee would speak of certain pressing wants in regard to school-houses. They earnestly reiterate the expression of opinion given in previous reports, of the unfitness of the building occupied by the Moody School for the purposes for which it is used. Aside from its contracted quarters, and its generally dilapidated character, which slight repairs made last July but thinly hide, it is particularly unfit for a school-house because having no suitable playground, the scholars attending there are obliged from neces-

sity, during recess, to play in the streets around, to their own danger, and to the annoyance of neighbors and all persons who may be passing at the time. Inasmuch, also, as the Primary Schools in the section of the city in which the Moody School is situated are very much crowded, the Committee would suggest the propriety of the purchase by the city of an ample and suitable site there, looking to the ultimate erection thereon of a new Grammar School building, and such Primaries as may be required.

In all that growing and important part of Ward Four known as the Highlands, there is not now a single school-house, so that both Primary and Grammar scholars living there are obliged to go the long distance from their homes to the Franklin School building for instruction. This state of things should not be allowed to continue; and besides, the rooms in this building will soon be too crowded with scholars to contain more. Would it not be well for the city to anticipate the inevitable by the purchase at once at the Highlands, while yet land can be secured there at comparatively low rates, of a proper site for school purposes?

The Committee trust that during the present year the City Council will see fit to carry into effect the desire of the Board previously expressed, for better accommodations for the neighboring Primaries on Salem, Cross and Adams Streets; and also the previously expressed request of the Board, that a building may be erected on the Kirk Street land, purchased for school purposes, to accommodate the Board, the Superintendent of Schools, the Truant Officers, the Drawing Schools, and two Primaries.

Last spring we were called upon to mourn the death of a most esteemed member of the Board, the late William Hardman. His superior thought and culture gave a peculiar value to his service with us, while his estimable private qualities endeared him to all who knew him. Alike as friends and colleagues have we mourned his loss.

In the case of the retirement from the Board of members of peculiarly long and distinguished service, it is proper that we should express our sense of appreciation of such service, and our regret at its discontinuance. Our respected colleague, Hon. John A. Goodwin, retires now from the Board. He has been a member thereof for ten years past, and during that time has been foremost in its labors and its counsels. His immediate constituents, with ourselves, deeply regret his decision not to serve with us further. But his influence with us will never be lost so long as his enlightened ideas in all that pertains to education remain preserved in the records, the reports, and the rules of the Board. Personally, too, we who have been associated here with him will ever gratefully remember his genial and courteous presence among us, with its pleasing and refining influence upon all.

For particular details and statistics concerning our schools, not embraced in this report, the Committee refer to the accompanying report of the Superintendent, fully embracing the same.

And now, in conclusion, the Committee in expressing again their congratulations upon the generally happy and

prosperous condition of our schools, also express their gratification that such results are obtained by the application to them of the good old New England principle of local self-government. Here in Massachusetts the Public Schools of each city and town are under the exclusive control and management of their own people, unlike certain of the European states, where education is conducted by the central government; so that the very development of the human mind is there made a means of confirming despotic authority. Well will it be for us if we continue in education, as in all things, to develop our own native ideas and methods, by which we have already accomplished so much, without seeking to transplant here from other lands things and systems inconsistent with our happiness and freedom.

ORGANIZATION

OF THE

School Committee, 1874.

FRANCIS JEWETT, Chairman.
JOHN A. GOODWIN, Vice-Chairman.
CHARLES MORRILL, Secretary.

MEMBERS OF THE SCHOOL COMMITTEE.

FRANCIS JEWETT, Mayor,	}	<i>Ex-Officiis.</i>
NATHAN W. FRYE, President of Common Council,		
Ward 1—JAMES W. B. SHAW,		Term expires 1874.
WILLIAM HARDMAN,		“ “ 1875.
“ 2—GEORGE H. PILLSBURY,		“ “ 1874.
CYRUS H. LATHAM,		“ “ 1875.
“ 3—HENRY P. PERKINS,		“ “ 1874.
GEORGE E. PINKHAM,		“ “ 1875.
“ 4—CHARLES KIMBALL,		“ “ 1874.
WILLIAM H. ANDERSON,		“ “ 1875.
“ 5—WILLIAM G. WARD,		“ “ 1874.
JOSIAH G. PEABODY,		“ “ 1875.
“ 6—JOHN A. GOODWIN,		“ “ 1874.
BENJAMIN J. WILLIAMS,		“ “ 1875.

STANDING COMMITTEES.

ON ACCOUNTS—Messrs. Jewett, Frye, Shaw, Ward and Peabody.
ON SCHOOL-HOUSES—Messrs. Shaw, Pinkham, Kimball, Pillsbury and Hardman.
ON TEACHERS—Messrs. Kimball, Goodwin, Anderson, Pillsbury and Pinkham.
ON REPORTS—Messrs. Williams, Anderson, Goodwin, Latham and Frye.
ON BOOKS—Messrs. Anderson, Kimball, Goodwin, Shaw, Williams and Perkins.
ON SALARIES—Messrs. Jewett, Frye, Peabody, Williams and Pinkham.
ON PENMANSHIP AND DRAWING—Messrs. Goodwin, Pillsbury, Ward, Latham and Hardman.
ON EVENING SCHOOLS—Messrs. Latham, Peabody, Ward, Hardman and Perkins.
ON MUSIC—Messrs. Ward, Perkins, Pinkham, Shaw and Latham.
ON SUSPENSION OF SCHOOLS—Messrs. Jewett, Perkins and Pillsbury.

CHARLES MORRILL, Superintendent of Public Schools,
Office in City Government Building.

ORGANIZATION

OF THE

School Committee, 1875.

FRANCIS JEWETT, Chairman.

JOSIAH G. PEABODY, Vice-Chairman.

CHARLES MORRILL, Secretary.

MEMBERS OF THE SCHOOL COMMITTEE.

FRANCIS JEWETT, Mayor,	} <i>Ex-Officiis.</i>
ALBERT A. HAGGETT, President of Common Council, .	
Ward 1—JOHN W. SMITH,	Term expires 1875.
JAMES W. B. SHAW,	“ “ 1876.
“ 2—CYRUS H. LATHAM,	“ “ 1875.
GEORGE H. PILLSBURY,	“ “ 1876.
“ 3—GEORGE E. PINKHAM,	“ “ 1875.
EPHRAIM B. PATCH,	“ “ 1876.
“ 4—WILLIAM H. ANDERSON,	“ “ 1875.
CHARLES KIMBALL,	“ “ 1876.
“ 5—JOSIAH G. PEABODY,	“ “ 1875.
WILLIAM G. WARD,	“ “ 1876.
“ 6—BENJAMIN J. WILLIAMS,	“ “ 1875.
GEORGE F. LAWTON,	“ “ 1876.

STANDING COMMITTEES.

- ON ACCOUNTS—Messrs. Jewett, Haggett, Shaw, Ward and Peabody.
 - ON SCHOOL-HOUSES—Messrs. Shaw, Pinkham, Kimball, Pillsbury and Smith.
 - ON TEACHERS—Messrs. Kimball, Anderson, Pillsbury, Pinkham and Lawton.
 - ON REPORTS—Messrs. Williams, Anderson, Lawton, Latham and Patch.
 - ON BOOKS—Messrs. Anderson, Kimball, Shaw, Williams, Lawton and Haggett.
 - ON SALARIES—Messrs. Jewett, Haggett, Peabody, Williams and Pinkham.
 - ON PENMANSHIP AND DRAWING—Messrs. Ward, Pillsbury, Latham, Lawton and Smith.
 - ON MUSIC—Messrs. Haggett, Ward, Pinkham, Latham and Shaw.
 - ON EVENING SCHOOLS—Messrs. Latham, Peabody, Ward, Patch and Smith.
 - ON SUSPENSION OF SCHOOLS—Messrs. Jewett, Pillsbury and Patch.
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CHARLES MORRILL, Superintendent of Public Schools.
Office in City Government Building.

ELEVENTH ANNUAL REPORT
OF THE
SUPERINTENDENT OF PUBLIC SCHOOLS.
1874.



Superintendent's Report.

To the School Committee of Lowell :

In conformity with the rules, I respectfully submit the following report :

SUMMARY OF STATISTICS.

Value of real and personal property,	\$36,821,081
Population (Census of 1870),	40,928
Population (Estimated, 1874),	48,000
Number of polls,	11,126
Increase for the year,	321
Number of children in the city between five and fifteen years of age,	
May 1, 1874, as returned by the Assessors,	6,571
In Ward One, 624; Ward Two, 862; Ward Three, 1,502;	
Ward Four, 1,569; Ward Five, 1,340; Ward Six, 677.	
Decrease for the year,	157
Number of public schools in the city (including territory annexed	
this year),	69
One High, nine Grammar, three Mixed and fifty-six Primaries.	
Number of teachers employed in them,	129
High School, four males and five females.	
Grammar Schools, seven males and fifty-two females.	
Primary Schools, fifty-six females.	
Mixed Schools, three females.	
One teacher of penmanship and drawing for the High and	
Grammar Schools.	
One teacher of music for the schools of all grades.	
Increase for the year,	9
Average number of scholars belonging to all the schools,	5,446
High, 280; Grammar, 2,295; Primary, 2,778; Mixed, 93.	
Increase for the year,	364

Average attendance in all the schools,	4,932
High, 272; Grammar, 2,078; Primary, 2,502; Mixed, 80.	
Increase for the year,	308
Average number belonging to each teacher,	42.9
High, 33; Grammar, 38.8; Primary, 49.6; Mixed, 31.	
Average per cent. of attendance,	90.5
High, 97.1; Grammar, 90.5; Primary, 90.1; Mixed, 86.	
Average cost of each scholar for tuition only, calculated on the average number belonging,	\$15.804
High, \$39.865; Grammar, \$18.433; Primary, \$11.354; Mixed, \$16.26. [The salaries of the teachers of penmanship and drawing, and of vocal music, are divided between the dif- ferent grades of schools in proportion to the time spent in them.]	
Amount standing to the credit of schools,	\$138,265.13
Expenditures,	123,355.54
Balance undrawn January 1, 1875,	<u>\$14,909.59</u>
Amount standing to the credit of school-houses,	\$13,077.01
Expenditures,	10,501.42
Balance undrawn January 1, 1875,	<u>\$2,575.59</u>
Received by the Superintendent and paid over to the City Treasurer, for tuition of non-resident children attending High School,	\$285.88
Grammar Schools,	335.85
Total,	<u>\$619.73</u>
For books, and for books furnished children of indigent parents,	\$105.83
Received by the City Treasurer from the Commonwealth, city's pro- portion of the school fund,	\$1,259.93
Amount paid to teachers during the year,	\$86,070.06
For the High School (nine teachers),	\$10,850 00
For the Grammar Schools (fifty-nine teachers),	40,220.73
Bartlett (nine teachers),	\$5,773.75
Colburn (six teachers),	4,633.00
Edson (nine teachers),	5,665.93
Franklin (five teachers),	4,000.74
Green (nine teachers),	6,051.70
Mann (five teachers),	3,100.00
Moody (nine teachers),	5,677.00
Sherman (one teacher),	759.00
Varnum (six teachers),	4,493.61
Amounts carried forward,	<u>\$51,070.73</u> <u>\$86,070.06</u>

<i>Amounts brought forward,</i>	\$51,070.73	\$86,070.06
For the Primary Schools (fifty-nine teachers),	31,876.87	
To the teacher of penmanship and drawing,	1,500.00	
To the teacher of vocal music,	1,622.46	
	<hr/>	86,070.06
The other expenditures were,		
For Janitors (day schools),	\$5,358.52	
Drawing-books and writing-books,	2,170.97	
Books, etc., furnished children of indigent parents, and books, maps and apparatus furnished schools,	1,733.00	
Evening Schools (including instruction and miscellaneous),	4,520.23	
Drawing Schools (including instruction),	3,370.27	
Superintendent of Schools and Secretary of the School Committee,	2,500.00	
Two truant officers,	2,000.00	
Superintendent of Streets' bill (mostly for fuel),	5,695.59	
Superintendent of Public Buildings' bill, for labor,	1,366.62	
Water,	572.00	
Reserved fund, heating High School-house,	500.00	
Miscellaneous,	7,498.28	
	<hr/>	37,285.48
Total,		\$123,355.54

From the summary it appears that there has been an increase of three hundred and twenty-one in the number of polls, and a decrease of one hundred and fifty-seven in the number of school children, as compared with last year. The reports of the teachers at the close of the term, ending in May, give a hundred more scholars in attendance than at the corresponding period last year. In 1871, when the increase from the preceding year in the number of polls was six hundred and nine, the *decrease* in the number of children was two hundred and twenty. That year three of the assessors were new men, and any one who is familiar with the duty of an assessor, will appreciate the difficulties experienced in all inquiries relating to the number and ages of children; and as a rule it may be expected that the more the Board of Assessors is changed the more variable will be the number of children returned between the ages of five

and fifteen. The last legislature relieved the assessors of this most vexatious of all their duties and passed an act requiring the "School Committee to ascertain or cause to be ascertained, annually, in the month of May, the *names* and *ages* of all persons belonging to their respective towns and cities, on the first day of May, between the ages of five and fifteen years of age, and make a record thereof."

The expenditures are \$10,085.16 less this year than last. Had no territory been annexed, and no changes in salaries, and had there been the usual number of changes among the female teachers, the sum would have very nearly reached the estimate made in last year's report, viz: \$13,575.00.

SCHOOL-HOUSES.

The annexation of parts of Dracut and Chelmsford gave us three more school-houses, viz: one at Middlesex Village, a very good one; and two in Dracut—one near Pawtucket Bridge, very good but needing some repairs; the other about a mile and a half west from the bridge, a very small one though in fair condition. All are furnished with old-fashioned benches instead of chairs. The people in Middlesex Village and near the small school-house in Dracut did not ask for any change in the seats, as they wished to be allowed to use them as in time past for lectures, religious services and social gatherings, and the furniture used in our city schools would make the rooms very inconvenient for such purposes. The house near the bridge, however, is not now used for any other than school purposes, and I think it would be well to furnish it like the school-houses in the city.

The Bartlett, Edson and Moody school-houses were so remodeled during the summer vacation as to make eight

rooms of equal size. The resolution authorizing this change in rooms embraced also the Colburn, Franklin and Mann Schools, and it is hoped that the alteration of these houses will be made the coming year.

The privies *attached* to the Bartlett and Edson School-houses have been re-constructed and are no longer a cause of offence.

At the Franklin School-house there has been a great improvement whereby scholars at recess are kept off the street and in their respective school-yards.

The same would be much desired at the Moody School-house if there were there any thing that might be called a yard. The girls get along tolerably well with the small space they have, but the boys are driven to the street. The house has been thoroughly renovated, and out-of-door accommodations ought to be much different.

In March an Aldrich Furnace was put in the cellar of the Sherman School-house with the guarantee that it would give sufficient heat to warm the Grammar and Primary School-rooms, and do it more economically than it had been done by stoves, at the same time furnishing pure air. It not being quite sufficient for the purpose, a larger one was substituted in November.

During the same month a furnace stove was put into Primary No. 26, on Salem Street, and in August a furnace was put into the cellar of the building occupied by Primaries 7 and 21, on Chapel Street. If these furnaces answer the expectations of the inventor, all our school-rooms may be well ventilated and pleasantly and economically warmed.

Primaries 9 and 51 are still in narrow, uncomfortable quarters over the Ward Room on Church Street, and are bounded on the north by the Lowell and Andover Railroad track. These two schools at no distant day should, with

Primaries 19 and 39, on Charles Street, and 5, 6, 15 and 30, on Elliott Street, be put into one building. I am convinced from past experience that where the population is dense, as in those sections, all school buildings should be made sufficiently large to accommodate, at least, eight schools. Such a building with a little more land could easily be built on the site of the Charles Street Primary.

The cellars of many of our Primary School-houses are dirty and damp, and at the opening of the schools in September, after the long vacation, the rooms above are filled with the offensive smell arising from them. This is especially true of the houses on Salem, Cross, Rock, Race, Paige, Elliott and Charles Streets. As soon as it can be done, I recommend that they be *thoroughly*, not partially, cleansed, and that the cellar bottoms be concreted.

Relief is hoped for the schools on Salem, Adams and Cross Streets, from the action of the City Council upon the resolution of the Board, adopted in October, providing for the erection of a brick building on Adams Street for the accommodation of all those schools.

There is another resolution before the City Council relating to the erection of a building on Kirk Street suitable for the accommodation of two Primary Schools, the School Committee, the Superintendent of Schools, the Truant Officers and the Drawing Schools. The Committee on Appropriations of the City Council of this year proposed to recommend to that body an appropriation of ten thousand dollars for the purpose of erecting a two-story Primary School-house, but this proposition was objected to on the ground that the land was too valuable for such a purpose alone, and that accommodations for other purposes than for the Primaries were greatly needed. The Drawing Schools, especially, need permanent quarters, and near the centre of

the city. Their present rooms they occupy temporarily, and their tenure is a precarious one. I commend this matter particularly to the Board.

I might perhaps close this section of my report with the usual formula: "the school-houses are in a very good condition," but there is another matter of great consequence that deserves more attention than it has yet received, that is *ventilation*. I believe that of all our school buildings there is but one, the Green School-house, that can be properly ventilated. Even that is far from perfect, and needs constant vigilance on the part of the teachers to keep the rooms in a healthy condition. In October, last year, the whole matter of ventilation was referred to the Committee on School-houses, with full powers.

The subject was considered by them and found to be a difficult one. Full powers meant that without the concurrence of the Committee on Lands and Buildings of the City Council, all the expense incurred in experimenting would be charged to schools instead of to school-houses. The Committee, therefore, were cautious. Several plans for ventilating the Grammar School-houses have been brought to their attention, the best of which, judging from their operation elsewhere; could hardly be adopted at a less expense than about a thousand dollars for each Grammar School-house. The problem is a formidable one, but I believe it ought to be attacked vigorously. Some of our Primaries have absolutely nothing but the windows and doors to depend upon for air. Others have insufficient openings, and even our new Primaries that were supposed to be well provided are defective, as the flues act in both ways, to let out on one side warm and bad air, and on the other side to let in very cold and good air.

I recommend that the subject be again referred to the Committee on School-houses.

SCHOOLS.

MIXED SCHOOLS.

The whole number of schools in the city is sixty-nine, three of which are the Mixed Schools in newly annexed territory. These I have designated as Mixed Schools because they contain scholars of all grades, from Primary to Grammar.

The school near Pawtucket Bridge is more like a Primary School than the other two, because the older and more advanced scholars have been sent to the Bartlett School. That on Varnum Street is very small, numbering, at most, eighteen scholars, and on account of its distance from the Bartlett, must remain, for the present at least, what it is. I think that the school at Middlesex Village may be partially graded the coming term by sending off the largest scholars to the Franklin School, but there will be some scholars remaining who are qualified for quite advanced classes in the Grammar Schools. Ward Four, to which the village is attached, is growing so rapidly that a new school-house will be needed there soon, and it may be that arrangements will be made which will relieve the whole south-western section of the city, including Middlesex. The Committee were very fortunate in the Mixed Schools, as they were under the charge of excellent teachers whose services have been retained. Little change has been made in the books used, except at the Bridge.

PRIMARY SCHOOLS.

The number of Primaries is fifty-six. No. 56, made up of scholars from Primaries 27 and 33, under Miss Lee as assistant in both schools, was established as a separate

school in December of last year, and Miss Lee was elected its teacher. No. 57 was made up of scholars taken from Primaries 13 and 20, on Carter Street, and placed under the charge of Miss Belle T. Vinal. It forms the middle grade, and occupies the room vacated by Primary No. 20, under Miss Perkins, who took possession, with her school, of the building in the same yard, moved there from Worthen Street, and finely fitted up. Miss Perkins, being the oldest teacher, had her choice of rooms and took the new one.

Primary No. 2, on School Street, is now one of our largest and best schools. No. 3, on Paige Street, was divided in the spring, on account of its size, and the three upper classes were placed under an assistant teacher in one of the unoccupied rooms in the Green School. A part of these were admitted to the Grammar School in July, and in September the remainder rejoined the school on Paige Street. It is an ungraded school and very large. The average number belonging for the year is fifty-eight. As many as twenty others are kept out for want of accommodations. Only temporary relief would be obtained by sending the upper classes to Worthen Street, for those rooms will undoubtedly be filled in May by children who of right belong there.

Primaries 9 and 51, on Church Street, keep up their numbers remarkably well, notwithstanding the new railroad has compelled many families to move from the neighborhood. The number of scholars reported as belonging at the close of the term in December was forty-seven, and forty-three. Of this last number, *twenty-three* were in school for the first time in their lives. These facts speak well for both teachers, Miss Williams and Miss Alger.

Nos. 10 (Race Street), 38 and 36 (Cabot Street), graded together last year, are full and working harmoniously together. They are in most excellent condition.

Nos. 26 (Salem Street), 11 and 43 (Cross Street), and 32 (Adams Street), the first three graded together, the last ungraded, numbered at the close of the term, fifty-seven, forty-four, forty, and seventy-six scholars, an average of fifty-four to a teacher. The condition of all these will be much bettered if the building asked for on Adams Street be erected the coming season. There has been a very great improvement in the character of the first three schools since my first acquaintance with them, most of which is due, I believe, to the patient, faithful labors of their teachers. No. 32 has long stood high, and its teacher needs no commendation. I hope to see the teachers of these four schools pleasantly situated by the September term.

No. 24, on Howard Street, an ungraded school, has been steadily increasing in size, and now reports fifty-six belonging for the year. Probably in May the school will have to be divided, and the room above opened for their accommodation.

Nos. 33, 56, 27 and 42, at the beginning of the year, formed four grades. It being an anomalous condition of things and a cause of much trouble, with the consent of their Sub-Committee, Dr. Pinkham, I re-graded them, making Nos. 33 and 56, in the Colburn School-house, the upper grade, and Nos. 27 and 42, in the school-house on the corner of Ames Street, the lower grade. Each school has three classes. The smaller children were kept in the house on the corner of Ames Street because there they would be out of harm's way.

All the Primaries in Belvidere are, with one exception, very large. No. 35, Miss Emerson teacher, was so large in May that an assistant teacher, Miss Agnes I. Meldrum, was employed; and to accommodate all the scholars, No. 52, the highest grade, moved into the hall above; Miss Emerson, with the upper half of her school, took the vacated room,

and the youngest children occupied Miss Emerson's room. This arrangement was thought to be better than resorting again to the Ward Room on Fayette Street. The number reported as belonging to Miss Emerson's school at the end of the July term was one hundred and seventeen. In September, owing to promotions in July, the number was smaller, and the services of the assistant were dispensed with. The school is, however, too large for its accommodations. These schools rank among the best in the city. Two of their teachers have had much experience and deserve honorable mention for their faithfulness and uniform success.

The Primaries in Centralville are very large, averaging fifty-four each at the close of the term. The question as to the time when the fire department shall vacate the rooms they now occupy under No. 49, on Fourth Street, will soon have to be decided.

The three Primaries in the Mann School-house averaged, at the close of last term, fifty-eight each. The lowest grade, under the charge of Miss Greenhalge, numbered sixty-four, twenty-seven of whom had never been in school before. The influence of a mild but firm government, patient, plodding industry, and winning ways is nowhere more observable than in this school.

In the month of July I examined the two highest classes in the ungraded schools, and in those of the upper grade, and gave certificates of admission to the Grammar School to about seven hundred scholars. Six hundred and forty-seven of them were received into the Grammar Schools. At the beginning of the September term a much larger number were promoted from the lower grades, to make provision for the large number of new scholars that will enter the schools in May. This promotion, I believed, would be better than at the end of the half year in February. Very nearly all of the schools have done all that was

expected of them, and those few of the lowest grade that are behind are so in consequence of the number and inconstancy of their scholars. In this grade, numbering twenty-two schools, there were, during the term, four hundred and twenty-five children in school for the first time. The whole number belonging was eleven hundred.

The teachers of the Primary Schools are doing a great work, and during no year since I have had the supervision of them have I seen more faithful labor. A few only have been obliged on account of ill health to seek temporary relief from school duties, but there has not been a single resignation among them during the year. The city has cause for congratulation.

Music has been introduced into the Primary and Mixed Schools, under the charge of Mr. Willey. So far the experiment has worked well, but another year's trial will enable us to judge whether it is to be a perfect success.

GRAMMAR SCHOOLS.

Bartlett.—Miss Abbie E. French has been elected to the second room (new), Miss Mary C. Gardner has had leave of absence, and Miss Edith A. Gove has served as substitute.

Colburn.—After a trial of four months Mr. Albert L. Bacheller has been elected Principal in place of Mr. Balch, transferred to the Franklin School.

Edson.—Miss Mary E. Stone was elected assistant in the Principal's room.

Franklin.—Mr. Balch was transferred to this school in July, since which time the scholars have enjoyed the privilege of being well disciplined and taught. Mr. Balch is a veteran in the business and has been uniformly successful. Miss Emma L. Crosby, a most excellent teacher, resigned

in July. Miss Wardwell was transferred to her room, and Miss Fanny M. Clark was elected to the room vacated by Miss Wardwell.

Green.—Mr. Albert L. Fisk, after a trial of four months, has been elected Principal of the Green School, in place of Mr. Lawton, resigned. Miss Annie C. Howe was elected assistant, in July, in place of Miss Emily A. Howe, resigned in March.

Mann.—No change has been made in this school except that the salary of its Principal, Miss Gallagher, has been raised to (\$1,000) one thousand dollars.

Moody.—Mr. Peabody's health failed him in the spring, and the Board allowed him leave of absence for half of each day, and more if he should find it necessary. Miss Way, a teacher of long experience in the school, was placed in charge of the room in Mr. Peabody's absence, her place being temporarily filled by Miss Cora V. Barnard. Miss S. Lizzie Dean resigned in July, and in September several transfers were made from room to room, and Miss Frances E. Garrity was appointed assistant. Miss Barnard and Miss Garrity have since been elected,

Sherman.—The Principal's salary was made (\$1,000) one thousand dollars in July.

Varnum.—No changes.

There have been but five resignations of teachers during the year, viz: two in the Franklin, two in the Green, and one in the Moody School.

Mr. Bailey, Principal of the Franklin School, was a man of fine education, gentlemanly deportment and a faithful teacher, ready to make any sacrifice for the good of his pupils.

Mr. Lawton, before his election to the Green School, served as substitute for Mr. Burbank in the High School. He was Principal of the Green School six years, and was superior as an educator and disciplinarian.

Mr. Albert L. Bacheller, elected to the principalship of the Colburn School, is a graduate of Middletown University, and never had any experience in teaching before.

Mr. Albert L. Fisk is a graduate of Harvard College, and has had experience both as a teacher and superintendent of schools.

All four of these gentlemen are natives of Lowell and received their elementary education and training in our schools.

By the alteration in the principal's room in the Bartlett, Edson and Moody School-houses a very important change has been made in those schools. An addition of twenty-eight sittings has been made to the accommodations; the rooms are of equal size; one more teacher is required; the principal has an assistant in his own room, and he has much more time to devote to the inspection of his school. The advantages anticipated from this arrangement have been more than realized. The principals agree in the opinion that much more and better work has been done than ever before. The personal inspection of the several rooms enables the principal to guide the teachings of his assistants, to help the inexperienced, to stimulate the phlegmatic, restrain the impetuous, to cause uniform methods to be adopted and to harmonize all discordant elements. The teachers, under a constant, careful and judicious supervision, labor with cheerfulness because they are assured that their efforts are not misdirected. Their responsibility, not less great, seems light in comparison with that before felt while groping along in the dark. All seem to be working together to accomplish a single purpose. The results, though the experience has been a short one, are very satisfactory. In every department of study there has been a noticeable change.

There is, however, it must be admitted, a suspicion that the "*single purpose*" may be the preparation of a larger class

for the High School. For many years a school has been judged good or bad according to its success in this direction, and it is no easy matter to substitute another standard. Parents are so eager to have their children advanced that the teacher, against his convictions of duty, is often obliged to succumb to their importunities, and after a time he becomes more eager in the race than parents or scholars. With the Prussian authorities "the total cultivation of the scholar is the great matter," and, therefore, they prescribe a course of study and methods of teaching such "that the pupil may be thoroughly formed instead of being bewildered and oppressed by a mass of information hastily heaped together." That great evil results from "cramming" for the examination of candidates for admission to the High School has been long admitted; and that not only no evil would result from careful training, even from the earliest period of school life to its close, but that the highest possible good would result to the subject of it and to the community, cannot be gainsaid. The important question is, How shall the desired end be reached? Superintendent Philbrick, in his report just made to the Boston School Committee, defines "high pressure" as "excessive tasks, excessive stimulation by emulation or other means, and excessive nervous excitement;" and adds that the abandonment of competitive examinations and the faithful observance of the programme of studies, rightly understood, have greatly mitigated the evil.

In several of the cities of the State special examinations for admission to the High School have been done away with, and the records of standing in the Grammar Schools have been substituted for them. I think well of the plan, and hope that the first step towards such a measure may be the putting in force in July of the rule requiring

Diplomas of Graduation to be awarded to those pupils of the graduating class of each Grammar School, who have, in the opinion of the Sub-Committee and Master, properly completed the prescribed course of study, and whose deportment during the year has been satisfactory.

HIGH SCHOOL.

Mr. Chase, Principal of this school, whose services extend over a period of nearly thirty years, found himself completely enervated at the end of the summer term, and the Board granted him leave of absence for six months. At the end of that time, his health not being completely restored, three months' more time was granted him, when he confidently expects to resume his duties. Mr. Chase's devotion to his profession, during his long service, has been unremitting. In addition to the general supervision of the school, he has done an amount of class work, nearly if not quite, equal to that of any other teacher, and his strength was not sufficient for the strain.

Mr. Lord, first assistant, has had the charge of the school during Mr. Chase's absence, and by his judicious management the reputation of the school has been well sustained.

Mr. Frank T. Benner, a graduate of Amherst College and the High School, has served very acceptably as assistant, hearing the classes usually taught by Mr. Chase.

In March, Mr. Chas. de Frondat was appointed special teacher of the French language. He came here highly recommended as a gentleman and as a teacher of long experience. He has been quite successful with his classes.

The average number of scholars belonging to the High School for the year was two hundred and eighty; the

average attendance, two hundred and seventy-two. Per cent. of attendance, ninety-seven. The number of sittings is two hundred and ninety-six. The average number belonging during the term ending December 24th was three hundred and twenty, being twenty-four more than the number of sittings. The average number of scholars to a class was over twenty. Mr. Lord's classes averaged over twenty-four. The school has never been so large. The number of candidates for examination for admission in July was one hundred and seventy-two. The rank attained by them averaged higher than for many years, and one hundred and forty-eight were admitted. A few were examined after the commencement of the term, some of whom were successful. The questions were prepared by the teachers of the High School and were considered as very good ones. It will be seen that either the rank for admission must be raised or the accommodations be increased. If the building asked for last year on Kirk Street had been erected, there would have been available room there.

The inconvenience of having a part of the school, or some of the recitations conducted in another building, ought not to be a conclusive objection to such an arrangement. As the population of the city is steadily increasing, and the High School is regarded as the goal which a large number of scholars in our Grammar Schools are desirous of reaching, I think that a proposition to enlarge its facilities would be received by the community with more favor than one to keep the school within narrow bounds by raising the standard for admission. In favor of the last plan, however, it may be stated that with the present system of examinations and admissions, a very large per cent. of those admitted have to be put back in their first year's studies from insufficient preparation in the Grammar Schools. Of those so

put back last year, ninety per cent. answered less than seventy-five per cent. of the examination questions. Much of the instruction given the first half of the year is thus lost, and the whole school suffer in consequence. No one needs to be told that more time is bestowed upon the few poor scholars in a class than upon all the good scholars — meaning by *good* the *well-fitted*. Practically, the admission of scholars who are unable to do the work laid out for them the first half year, is equivalent to lowering the rank of the school.

I have given this subject much thought and can see no better way out of the difficulty than to add one year to the Primary School course, raise the rank of the Grammar Schools, and select candidates for admission to the High School from diploma scholars.

If the Grammar School-houses were suitable buildings, and well located, I should recommend that another story be added to them, which would furnish two more school-rooms and a hall.

The customary graduating exercises were held in Huntington Hall, on Friday evening, July 3rd.

Diplomas were presented to the following-named graduates, by the Superintendent :

FOUR YEARS' COURSE.

Clarence Eugene Burnham,
James Francis Burns,
George Shaw Butters, Jr.,
George Richardson Harlow,
Herbert Shattuck Johnson,
George Storer Motley,
Evelyn Atwood,
Emma Belle Barney,
Jennie Cornelia Boardman,
Mary Ella Carter,

Alice Mary Clarke,
Harriet Hooker Eaton,
Linna Belle Flagg,
Nellie Maria Freeman,
Ella Augusta Howe,
Emma Josephine Miller,
Ella Marian Plumado,
Minnie Caroline Smith,
Elizabeth Fremont Webster.

THREE YEARS' COURSE.

Frederick Arthur Chase,
Charles Francis Coburn,
Edmund Bachelder Conant,
Matthias Munroe Eaton,
George Edward Healey,
Alden Wesley Henderson,
Alden Bradford Ilsley,
Cyprien Odilon Mailloux,
Thomas Mather,
James J. E. McCarty,
John Frank Pearce,
Harry Everett Reed,
Chas. Henry Richardson,
Charles Joseph Searle,

William Marshall Sherwell,
Albert Eugene Upton,
James Francis Walsh,
Walter Hubbard Weeks,
Isabelle Anderson,
Helen Marion Deeds,
Clara Anna Eaton,
Emma Eva Heath,
Alice Teribius Lee,
Annie Augusta Rose,
Kate Rosamond Sawtell,
Harriet Annie Snell,
Marietta Caroline Stiles.

The Carney Medals were presented, by Hon. John A. Goodwin, to

Francis C. Coburn,
William A. Burch,
Harry V. Huse,

Alice F. French,
Agnes Gordon,
Minnie C. Smith.

Honorable mention was made of Walter M. Lancaster.

ATTENDANCE.

The per cent. of attendance in the schools is about the same as last year. The increase in the number of scholars attending is owing largely to accessions from that part of Dracut this year annexed to Lowell. The schools in Centralville numbered one hundred more scholars during the term ending December 24th, than during the corresponding term last year, and an attendance of ninety-four more. The Bartlett School numbered about forty more. The increase of territory has added greatly to the labors of the Truant Officers, but I take pleasure in testifying to their efficiency. The following is a synopsis of their doings for the year :

"The whole number of cases investigated and recorded by us was one thousand five hundred and fifty-two. Of these one thousand three hundred and thirty-eight were absentees; one hundred and fifty-one, truants; forty-seven, new scholars; and seventeen, charged with misdemeanors. Of those set down as *absentees*, one hundred and fifty-four were found to be illegally employed in the different manufacturing establishments in the city, some being under ten years of age and others not having attended school long enough to entitle them to legal certificates. In most cases a notice to the parents was sufficient to return them to school, but in some cases we have had to notify their employers, which in all cases has resulted in their discharge. Of those set down as *truants*, forty were arrested and carried before the Court, of whom twenty-nine were sentenced to the City Reform School for terms varying from three months to two years, and eleven were bailed by their friends and returned to school.

"Those termed *new scholars* were children who had never attended any school in this city. The misdemeanors consisted of insulting persons on the street, abusing their school-mates, pilfering small articles about the school-rooms, and annoying teachers and scholars in various ways. Seventy-six of the whole number reported were visited the second time, and twenty-eight, the third time. All the foregoing cases have been carefully recorded, with the date of the visit, the name of the scholar called upon, the name of the parent or guardian having the care of each child, the residence, name of the teacher whose school the child attended, with an index to the whole, so that any name can be easily found, and the necessary remarks concerning each case.

RECAPITULATION.

Whole number of cases investigated,	.	.	.	.	.	.	.	.	.	.	1,552
Absentees,	.	.	.	.	.	.	.	.	.	.	1,338
Truants,	.	.	.	.	.	.	.	.	.	.	151
New scholars,	.	.	.	.	.	.	.	.	.	.	47
Guilty of misdemeanors,	.	.	.	.	.	.	.	.	.	.	17
Returned to school a second time,	.	.	.	.	.	.	.	.	.	.	76
Returned to school a third time,	.	.	.	.	.	.	.	.	.	.	28
Arrested,	.	.	.	.	.	.	.	.	.	.	40
Bailed and returned to school,	.	.	.	.	.	.	.	.	.	.	11
Sentenced,	.	.	.	.	.	.	.	.	.	.	29

JESSE HUSE,
BICKFORD LANG,
Truant Officers."

EVENING SCHOOLS.

With regard to these schools I have nothing to add to what is contained in the report read to the Board this day.

REPORT.

Five Evening Schools were opened last year, commencing November 6, 1873, and continued sixty-two (62) evenings, ending March 3, 1874, as follows: In the basement of the Green School-house, under the charge of Misses Sheldon, Robbins and Hill, and eighteen assistants; in the Ward Room on Church Street, under charge of Mrs. J. B. Bradt and eight assistants; in the vestry of Zion Primitive Methodist Chapel, under charge of Miss Sarah J. Gilman and thirteen assistants; in the Hall of the new Primary School-house on High Street, under charge of Mrs. H. G. Crosby and three assistants; and in the Howard Mission Chapel, Centralville, under charge of Miss Ida Wilson and five assistants.

The attendance upon these schools has been surprisingly large, and the same diversity in ages, condition of life and character as was noticeable the previous year. Various influences doubtless conspire to bring them together—some hoping that such schooling may be an equivalent for the three months required by law to enable them to obtain employment in the mills; some, it may be, attended as a pastime; and some, possibly, because they find a more comfortable room and more pleasant surroundings than at home; but we think the larger portion come for instruction; and a wise discrimination is constantly required in the committee and teachers that they may properly mete out encouragement and discipline to accomplish the best ends.

With rare exceptions those of mature years were orderly and attentive to their studies and made commendable improvement; while of the younger, especially among the boys, there have been numerous instances of insubordination, and some chronic disturbers have necessarily been expelled from the schools.

It has been quite noticeable that, as a whole, there has been a decided improvement in these schools since their establishment, both in regard to the order maintained and the progress made in studies.

We see no reason why order or discipline in these schools should not approximate, at least, to the order of the day schools, and ultimately we expect this result.

These schools were established principally for the benefit of those adults who from lack of early advantages had not the rudiments of a common education, and who were debarred by their age or condition from the privileges of the day schools, but we find in their practical workings that a large proportion of those who attend are under sixteen years of age, and about twenty per cent. (20%) are over eighteen years of age.

By the rules of the School Board persons of fourteen years and upward are entitled to the privileges of these schools; and as attendance upon the day schools is not made compulsory upon children over fifteen years, and as the practice is so general among parents, either from necessity or cupidity, of taking their children from school altogether, and keeping them at work, as soon as they arrive at the age of fifteen, when they may do so with impunity, it seems important that such provisions should be made for the youths in these schools. Nevertheless, it has occurred to your committee that possibly the rules might, wisely, be so amended that youths should not be admitted under the age of fifteen (15), as the large proportion of younger scholars doubtless had an influence in repelling, in some degree, those of mature years. This difficulty, however, may be obviated and the desired end be obtained by a judicious grading of the schools, which we think ought, and can readily be done whenever, generally, more suitable accommodations shall be provided for them. Such improved accommodations would greatly promote the maintenance of more perfect order, and increase the efficiency of the schools. We hope at no distant day to witness such improvements.

These schools are yet in their infancy, and many improvements will doubtless be made to increase their efficiency. Much time has been given by the respective Sub-Committees — more perhaps than the Board have a right to expect — but your committee have been desirous that the highest success might be attained, and have earnestly labored for it.

Annexed is a tabular statement to which attention is directed, showing the attendance of scholars, and the details of cost of maintaining the schools for the last year, from which it will be seen that the average cost for instruction per scholar in actual attendance, per evening, is ten and twenty-two one-hundredths ($10\frac{22}{100}$) cents, and all

other expenses, four and seventy-one one-hundredths ($4\frac{71}{100}$) cents, making a total of fourteen and ninety-three one-hundredths ($14\frac{93}{100}$) cents for each scholar per evening, or nine dollars and twenty-five cents (\$9.25) for each scholar in attendance for the full term of sixty-two evenings.

These expenses are large, and principally arise from the necessity of employing so many teachers, consequent on the teaching being almost wholly personal; for it is found, in practice, that a teacher cannot successfully teach more than twelve or fifteen pupils.

Respectfully submitted,

C. H. LATHAM,

WM. G. WARD,

J. G. PEABODY,

Committee on Evening Schools.

SUMMARY.

LOCATION OF SCHOOL.	No. of Teachers.	No. of Even'gs Taught.	No. of Diff't Scholars.			Average Attendance.			Exp. per eve, per scholar, based on av. attendance.
			Male.	Fem.	Total.	Male.	Fem.	Total.	
Basement Green School-house, . . .	21	62	306	259	565	123	72	195	.097
Zion Primitive Methodist Vestry, .	14	61	242	90	332	97	37	134	.094
Ward Room, Church Street, . . .	9	62	220		220	64		64	.132
Hall Primary School-house, High St.,	5	62		107	107		51	51	.094
Mission School-house, First St., Cen.,	6	61	71	63	134	25	30	55	.117
Total,	55	62	839	519	1358	309	190	499	

EXPENDITURES.

Bill of Superintendent of Public Buildings, for labor, . . .	\$128.00
Rent of Primitive Methodist Vestry, including fuel and light, . .	150.00
Rent of Howard Mission Chapel, including fuel, . . .	25.00
Heating (estimated), Green School-house, . . .	\$50.00
“ “ High Street Hall, . . .	10.00
“ “ Ward Room, Church Street, . . .	10.00
	<hr/> 70.00
Lowell Gas Light Company, Green School-house, . . .	\$170.43
“ “ “ Ward Room, . . .	28.59
	<hr/>
Amounts carried forward, . . .	\$199.02 \$373.00

<i>Amounts brought forward,</i>		\$199.02	\$373.00
Lowell Gas Light Company,	Mission School,	16.50	
"	"		
"	High Street Hall,	24.46	
			239.98
Janitors,			314.50
Police,			138.17
Advertising and Printing,			26.25
Books and Stationery,			364.73
Paid for instruction, Green School,		\$1,171.50	
"	Ward Room,	524.50	
"	Mission School,	396.25	
"	High Street Hall,	299.50	
"	Primitive Vestry,	770.25	
			3,162.00
Total,			\$4,618.63

DRAWING SCHOOLS.

The Evening Drawing Schools commenced November 10th, 1873, and closed March 31st, 1874, the Free-hand department being under the charge of Mr. Harrison, and the Instrumental under the general charge of Mr. Whitaker.

The classes in Free-hand Drawing were quite small. The amount and character of the work done, however, was superior to that of the preceding year. The classes have, at no time, been able to do much for want of copies and models. This fall the want has been partially supplied, and two assistants, Miss Helen M. Wright and Miss Isabella Coburn, have been employed to give instruction—the former in coloring, the latter in shades and shadows.

The classes are larger than last winter and take much interest in their work.

The beginners are going through a course of geometrical problems and the usual elementary work. The advanced classes have taken up a course of historical ornament and floral forms as applied to ornament.

The number of instrumental drawing classes was five—the names of which, number of members belonging, with

the number of lessons and the class of subjects of instruction, are shown in the following table :

Name of Class.	No. of Memb'rs.	No. of Lessons.	Class of Subjects of Instruction.
Beginners' Machine, . .	55	25	Elements of Machine Construction.
Beginners' Architectural,	65	36	{ Elements of Classic Architecture as ordinarily applied at the present day.
Advanced Machine, . .	33	27	The Swain Turbine.
Advanced Architectural,	17	27	{ Elevated plans and details of Build- ing Construction.
Shades and Shadows, . .	40	34	{ The principles of the projections of shadows: the intensities of shades and the imitation of the effects of light and shade by means of crayon.

All of these classes received nightly instruction in such problems of trigonometry, plane and descriptive geometry, such principles of applied mechanics, machine construction, cinematics, strength of materials, architectural design and building construction, the intensities of shades and the projection of shadows, as would aid the student in forming a clear and rational view of each step in every drawing exercise. Under the system of instruction adopted a very large number of drawings were correctly and intelligently finished. No attempt was made in either of the *beginners'* classes to have the drawings skillfully executed. It was thought better that they should learn to make working drawings after the style usually adopted by draughtsmen. If a drawing was complete, correct, and *intelligently* executed, nothing further was required.

The advanced architectural class was directly under the charge of Mr. Wm. R. Ware, of Cambridge, then an assistant to the Professor of Architecture at the Massachusetts Institute of Technology. Many of the drawings made in this class were very skillfully executed. The subjects

were practical and well selected. The system of instruction was excellent for classes of its kind, and the class was every way a success.

The class in shades and shadows was under the charge of Mr. J. H. Guild, a crayon portrait artist. To him is due all credit for instruction in *applying* the color in the crayon work done. Much of the work begun by this class was left incomplete on account of the sudden closing of the school in March.

Mr. Whitaker says that he knows of more than twenty-five persons, once members of the instrumental drawing classes, who are now employed in more or less important positions as draughtsmen. The number of persons who have become contractors, builders, overseers or foremen, since joining the school, is large.

A very large and very successful exhibition of drawings, by scholars in the Public Schools and in the Evening Drawing Schools, was held in Huntington Hall, in June last. The hall was completely occupied with the forms to which the drawings were attached, and presented a unique and attractive display.

Mr. Whitaker, at the opening of the school under his charge, offered two sets of prizes — one for the best machine and architectural drawings, the other for shaded drawings.

The judges were John C. Palfrey, James Francis and Jacob H. Sawyer. The prizes were awarded as follows : Advanced class in machine drawing, first prize to C. W. L. Eastman, \$10 ; beginners' class, first prize to George D. Corey, \$10 ; second, to Abram Gillard, \$5. Advanced class in architectural drawing, first prize to L. E. Farnham, \$10 ; beginners' class, first prize to William E. Murkland, \$10 ; second, to Lewis D. Gumb, \$5.

The judges on shaded drawings were Miss Helen M. Wright, Miss Elizabeth O. Robbins and Miss Helen A.

Whittier. The first prize was awarded to Huldah J. Leavett, \$10; the second to Mrs. H. C. Duganne, \$5.

Miss Leavett exhibited a very fine crayon portrait of Rev. Smith Baker. She has since executed other portraits exhibiting great delicacy of touch and expression.

As for the exhibition in Boston, Lowell stood as well as, really better than, last year, if the work were to be judged by its accuracy instead of by the display made.

Mr. Whitaker has not confined himself to his school-room, but has made several excursions, with his students, to various manufacturing establishments, thus affording opportunities for learning hardly to be obtained in any other city in New England. Many courtesies have been extended to him and his class by agents and proprietors of mills, and models have been cheerfully loaned to him by them as well as by the Massachusetts Institute of Technology. For these courtesies our acknowledgments are gratefully tendered.

I am indebted to Mr. Whitaker for a very full report of the school, from which nearly all of the above is taken, and most of it nearly *verbatim*.

The expenditures on account of the Drawing Schools, for the winter of 1873-'74, were as follows :

J. L. Ross, fifty chairs,	\$50.00
H. R. Barker & Co., sundries,	11.60
Sundry persons, advertising, printing and posting bills,	36.37
Lowell Gas Light Co., gas,	200.15
Janitor,	88.00
Channing Whitaker, services of self and assistants, and for diagrams,	2,197.35
Bertram Harrison, services as teacher of free-hand classes, and normal classes, and for sundries,	514.80
Total,	<u>\$3,078.27</u>

CHARLES MORRILL,

Superintendent of Public Schools.

Report on Music.

THE Committee on Music present the following report concerning the progress during the year in the department of instruction under their special charge.—

The lessons in the different grades, given by the teacher of music, are as follows: In the High School, two lessons weekly of half an hour each; in the upper classes of the Grammar Schools, one lesson a week; in the lower classes of the same, one lesson in two weeks; and in the Primary Schools, one lesson in each month. This arrangement requires of the teacher the giving of ten lessons daily. In addition to the above schedule, ten minutes a day are devoted to lessons conducted by the regular teacher of each school.

It will be observed that the principal change in this department consists in the introduction of music teaching into the Primary Schools; a point recommended by former committees, and with the importance of which we could not but be impressed. In August last a report from your Committee favoring this measure was adopted by the Board; and since the opening of the present school-year, we have had for the first time in the history of our schools a really complete system of musical instruction.

Mason's graded series of books and charts, which are considered by those competent to judge the best published, are used. The teachers of the Primary Schools, with the aid of this system, are able to conduct the lessons as planned by the teacher of music, and with scarcely an exception have undertaken the new study with a degree of interest which will insure success. Some of the best teachers are among those who previously knew little or nothing of music, but have learned with their little pupils. The progress thus far has been very satisfactory.

The children, entering our public schools at five or six years of age, now learn the elements of music with their A, B, Cs, and follow the same study through each grade to their graduation from the High School. Of the value of such progressive instruction in music we have long been convinced, and are confident that time will show the wisdom of the step.

In addition to the labors of Mr. Willey in the schools, he has voluntarily undertaken the task of giving lessons to the teachers on the first Wednesday of each month. The class thus formed has been well attended; and we believe will be of much profit to the teachers who avail themselves of the opportunity to master this branch of their profession.

The annual examination and exhibition took place in Huntington Hall, on May 1st, occupying the entire day and evening. Nearly two thousand five hundred pupils from the Grammar Schools, in four classes, were examined during the day; and the increasing interest in this study was made manifest by the attendance of a much larger number of parents and friends of the children than ever before on similar occasions. In the evening, four hundred pupils from the High and Grammar Schools, with the assistance of an orchestra, gave an exhibition of their proficiency, which was enjoyed by an audience limited only by the capacity of the hall.

Respectfully submitted,

WM. G. WARD,
J. W. B. SHAW,
H. P. PERKINS,
C. H. LATHAM,
GEO. E. PINKHAM.

Committee on Music.

APPENDIX.

A.

SALARIES OF TEACHERS, BILLS, &c.

SECTION 1. The salaries of teachers for each school-year are established as follows:

HIGH SCHOOL.

Principal,	\$2,500.00
First Male Assistant,	2,000.00
Second Male Assistant,	1,700.00
Female Assistants, first year,	650.00
“ “ second year,	700.00
“ “ after second year,	750.00

GRAMMAR SCHOOLS.

Principal (Males),	\$1,700.00
“ of the Mann School (Female),	1,000.00
“ of the Sherman School, first year,	600.00
“ “ “ second year,	700.00
“ “ “ after second year,	800.00
Assistants, first year,	400.00
“ second year,	450.00
“ third year,	500.00
“ after third year,	600.00
Teacher of Penmanship,	1,500.00
Teacher in Vocal Music,	1,700.00

PRIMARY SCHOOLS.

Teachers, first year,	\$400.00
“ second year,	450.00
“ third year,	500.00
“ after third year,	600.00

TEMPORARY TEACHERS.

Male Teachers, for every school-day's service,	\$3.00
Female Teachers in High School, for every school-day's service,	1.75
Female Teachers in other schools, for every school-day's service,	1.00
And after three months' continuous service,	1.25

SECT. 2. When a temporary teacher is employed for the full month, such teacher may charge for the whole number of school-days included in said month.

SECT. 3. Teachers' bills for services shall be payable monthly, as follows, viz: Upon the tenth day of October in each year, and thereafter upon the tenth day of each month succeeding to, and inclusive of, the tenth day of July next following. Each elected teacher shall present his bill to the Superintendent for his approval on the first day of the month in which said bill is payable, charging in his bill, for each month, one-tenth part of his salary, and deducting for every school-day that he is absent from duty, the proportional amount which such absence bears to the entire school-year, making allowance for no holidays not expressly mentioned in the second section of Chapter III; provided, that in case of absence on account of sickness, he shall receive his salary for a period not exceeding twenty-one days, less the amount actually paid during that time to a temporary teacher in his stead. Temporary teachers shall present their bills at the same time, charging for the number of school-days of actual service. Wednesday and Saturday forenoons shall be reckoned as whole days.

B.

TEXT-BOOKS USED IN THE PRIMARY SCHOOLS.

Hillard's Third Reader; Hillard's Second Reader; Hillard's Primer; Walton's Primary Arithmetic; Our World, by Miss Hall; Smith's Drawing Cards.

TEXT-BOOKS USED IN THE GRAMMAR SCHOOLS.

Greenleaf's and Eaton's Common School Arithmetics; Greene's Grammar; Our World, by Miss Hall; Guyot's Intermediate Geography; Anderson's Grammar School History of the United States; Hillard's Franklin Fifth Reader; Hillard's Intermediate Reader; Hillard's Third Reader; Worcester's Pronouncing Speller; Colburn's First Lessons in Arithmetic; Payson, Dunton & Scribner's Writing Books; Smith's Drawing Books; Hooker's Child's Book of Nature permitted as a reading book.

TEXT-BOOKS USED IN THE HIGH SCHOOL.

Harkness' Latin Grammar; Harkness' Latin Reader; Harkness' Latin Composition; Hanson's Latin Prose; Hanson's Latin Poetry; Andrews' Latin Lexicon; Goodwin's Greek Grammar; Goodwin's Greek Reader; Crosby's Xenophon's Anabasis; Owen's Homer; Liddell & Scott's Greek Lexicon; Eaton's Arithmetic; Eaton's Algebra; Davies' Legendre's Geometry; Davies' Legendre's Trigonometry; Davies' Surveying; Magill's French Grammar; Magill's French Reader; College Plays, by Bocher; Spier's French Dictionary; Berard's History of England; Smith's Smaller History of Greece; Anderson's Bloss' Ancient History; Greene's English Grammar; Hart's Composition and Rhetoric; Underwood's Hand-book of English Literature; Alden's Science of Government; Winslow's Intellectual Philosophy; Wayland's Moral Science;

Hooker's Natural History; Quackenbos' Natural Philosophy; Steele's Chemistry; Kiddle's Astronomy; Tenney's Geology; Wood's Botany; Dalton's Physiology; Warren's Physical Geography; Mitchell's Ancient Geography; Fourth Music Reader; Webster's and Worcester's Dictionaries; Otto's German Grammar and Reader.

C.

COURSE OF STUDY FOR THE PRIMARY SCHOOLS.

FIRST YEAR.

Sixth Class—*First Reader to page 30. Commence by using letter and word cards, and Hillard's Reading Charts, Nos. 1, 2, 3 and 4.

Spell the words in columns, by letters and by sounds.

Develop the idea of number to ten, by the use of objects. Count to one hundred on the numeral frame.

Teach the construction of letters and figures critically, using slate and blackboard.

Fifth Class—First Reader completed. Spell as in Sixth Class, using Charts, Nos. 2, 5, 6, 7 and 8.

Teach Roman numerals to *L*.

Print words and figures.

Add and subtract small numbers, using the numeral frame.

SECOND YEAR.

Fourth Class—Second Reader, to Page 57. Practice "Enunciation Exercises," daily.

Spell, by letters and by sounds, words in columns and in reading lessons.

Teach the simplest form of script letters.

Teach Arithmetic orally, to page 20.

Third Class—Second Reader completed, and Third Reader commenced. Practice "Enunciation Exercises" as in the Fourth Class. Table of numbers on page 11, and marks used in printing on page 12, to be learned.

Teach the simplest form of script letters.

Teach Arithmetic to page 40, and the Multiplication Table to 6 x 6.

THIRD YEAR.

Second Class—Third Reader to page 57. Daily practice of exercises in enunciation to "Terminal Combinations." Spell words in columns and in reading lessons, by letters and by sounds. Teach the meaning of the words found in the reading lessons, and require scholars to use their own language in defining. Correct all faults in expression.

Miss Hall's Geography, "Our World," to be commenced as a reading book.

Teach all the script letters, and require short words to be written from dictation.

Review the Arithmetic and go to page 61.

* Leigh's Sound-Charts, and Pronouncing edition of Hillard's Primer and Second Reader are recommended for the Sixth and Fifth Classes.

First Class—Third Reader, to page 125. Exercises in enunciation, spelling, definitions, &c., as in second class.

“Our World” continued as a reader.

Write three words of each spelling lesson, and criticise carefully the form of each letter; also, encourage the writing of short sentences.

Review and complete the Arithmetic, omitting from the 74th to the 87th page, inclusive.

Drawing should be taught in all the classes except the sixth.

In each school a few minutes should be devoted, at every session, to singing, physical exercises, lessons on objects, and repeating verses and maxims.

D.

COURSE OF STUDY FOR THE GRAMMAR SCHOOLS.

FIRST YEAR.

Eighth Class—Hillard’s Third Reader. Especial attention should be given to the Introductory Exercises, and to the lessons in Spelling and Defining at the beginning of each reading lesson.

Worcester’s Pronouncing Speller to page 50.

“Our World,” to be used chiefly as a reading book; oral teaching of Geography from wall maps.

Colburn’s First Lessons in Arithmetic to sec. 4, page 63, omitting the last 52 questions in sec. 3, C.

Written Arithmetic, from dictation, Numeration and Notation, Addition and Multiplication; amounts not to exceed a million.

Seventh Class—Hillard’s Intermediate Reader; Introductory Exercises, Spelling and Defining as in eighth class.

Worcester’s Pronouncing Speller to page 60.

Guyot’s Intermediate Geography, to South America.

Colburn’s First Lessons, sections 4, 5 and 6, and 50 questions in sec. 3, C.

Written Arithmetic, from dictation, Numeration and Notation, Addition and Multiplication, Subtraction and Long Division, not to exceed three periods. In Subtraction not more than two figures in the minuend to be less than the figures below them, and in Division the divisor not to exceed 25.

SECOND YEAR.

Sixth Class—Hillard’s Intermediate Reader,* Spelling and Defining, and Introductory Exercises, as far as Inflection.

Worcester’s Pronouncing Speller, from page 60 to 78.

Guyot’s Intermediate Geography, from South America to Africa, and Exact Geographical Position on pages 85, 86 and 87.

* Child’s Book of Nature permitted as a reading book to alternate with the Intermediate Reader, in the Sixth, Fifth, Fourth and Third Classes.

Colburn's First Lessons, from C, in sec. 6, to sec. 9, page 94, with 70 questions in C, sec. 3.

Eaton's Common School Arithmetic to Reduction, omitting Numeration and Notation of Numbers above units of billions, and Numeration and Notation after the English method.

Fifth Class—Hillard's Intermediate Reader* continued to page 32, with daily drill on the Introductory Exercises.

Worcester's Pronouncing Speller, from page 78 to page 95.

Guyot's Intermediate Geography, Africa, Australia and Asia, to page 43, with review as needed.

Colburn's First Lessons, sections 9, 10 and 11, and C, section 3.

Eaton's Common School Arithmetic to Common Fractions.

THIRD YEAR.

Fourth Class—Hillard's Intermediate Reader* continued. Daily drill as in Fifth Class.

Worcester's Pronouncing Speller from page 95 to page 120; oral and written exercises.

Guyot's Intermediate Geography, Europe and United States to page 57, and Exact Geographical Position on pages 85, 86 and 87.

Colburn's First Lessons, sections 12, 13, 14 and C, sec. 3.

Greenleaf's Common School Arithmetic, from Properties of Numbers, page 130, to page 165, and review of Miscellaneous Questions on page 119, or Eaton's, from Common to Decimal Fractions.

Greene's Introduction to the Study of English Grammar, to Part II, page 54.

Third Class—Hillard's Intermediate Reader* completed and thoroughly reviewed.

Worcester's Pronouncing Speller, from page 120 to page 131; oral and written exercises.

Guyot's Intermediate Geography, from page 57 to page 71; review preceding maps, and Exact Geographical Position.

Colburn's First Lessons, B and C, sec. 4; A and B, sec. 7; miscellaneous examples in sections 6, 11 and 12, and review sec. 14.

Greenleaf's Common School Arithmetic, from page 165 to page 205, omitting sections 167, 168, 173 and 174, or Eaton's, from Decimal Fractions to Percentage.

Greene's Grammar, from Part II, page 54, to Syntax, page 131.

Anderson's Grammar School History, as a reading book, and to be taught "by reading and familiar conversation," to page 53; few dates to be memorized.

FOURTH YEAR.

Second Class—Hillard's Franklin Fifth Reader; systematic teaching of the Introductory Treatise, and reading lessons to XLV, page 177.

Worcester's Pronouncing Speller, from page 131 to page 137, and review select lessons to page 100.

Guyot's Intermediate Geography completed, and maps of the New England and Middle Atlantic States reviewed.

* Child's Book of Nature permitted as a reading book, to alternate with the Intermediate Reader, in the Sixth, Fifth, Fourth and Third Classes.

Colburn's First Lessons, discretionary in reference to section 15; review of the book as required by the Rules.

Greenleaf's Common School Arithmetic, from page 165 to page 225, section 224, omitting sections 167, 168, 173, 174, 201 and 202; or Eaton's from Percentage to Ratio, omitting the same as is omitted in Greenleaf's.

Greene's Grammar, from page 131 to the end.

Anderson's Grammar School History, from the beginning to the close of the Revolutionary War, on page 106.

FIFTH YEAR.

First Class—Hillard's Franklin Fifth Reader completed and reviewed.

Worcester's Pronouncing Speller; the whole book reviewed.

Guyot's Intermediate Geography thoroughly reviewed; the drawings of maps to be *rapid* as well as *accurate*.

Colburn's First Lessons; daily exercises as required by the Rules.

Greenleaf's or Eaton's Common School Arithmetic finished and reviewed; omit Custom-house Business, Assessment of Taxes, Equation of Payments, Currencies, Exchange, Duodecimals, Progression, Alligation, Permutation, and Mensuration of Solids.

Greene's Grammar finished and reviewed.

Anderson's Grammar School History finished and reviewed.

Composition, Writing, Drawing and Music through the whole course.

Declamation by the boys in the first and second classes once a month.

E.

SERIES OF QUESTIONS PROPOSED FOR THE EXAMINATION OF APPLICANTS TO ENTER THE HIGH SCHOOL.

QUESTIONS IN HISTORY.

1. Give an account of De Soto's Expedition.
2. What nation made the first settlement in the United States, and where?
3. Name four of the most distinguished of the Mayflower's passengers.
4. What was the cause of King William's war?
5. When, and by whom, was Delaware settled?
6. What was the cause of the French and Indian War?
7. What were the terms of treaty at the close of this war?
8. When, and where, did the first Continental Congress meet?
9. Give an account of one battle before Quebec.
10. Name four battles of the American Revolution.
11. Name four prominent Generals in the American Revolution.
12. What was the treason of Arnold?
13. Give an account of the Whiskey Insurrection.

14. How did the War of 1812 have its origin, and what was the first hostile movement on the part of the Americans?
15. Give an account of the action between the Chesapeake and Shannon.
16. In whose administration did the Mexican War begin, and name four important events of the year 1846.
17. In whose administration was the Fugitive Slave Law passed, and what was it?
18. Give an account of Sherman's march from Atlanta.
19. Name three important battles of the Civil War, and the Union commander at each.
20. Name in order the first four, and the last four Presidents.

QUESTIONS IN GEOGRAPHY.

1. State the arrangement of the Continents.
2. Define Latitude and Longitude.
3. Bound Lowell.
4. Name the five great Lakes of North America, and their final outlets.
5. Between what two water sheds is the basin of the Mississippi situated?
6. Tell the situation of the largest city and the course of the longest river in Europe.
7. Where are Calcutta, and Trieste?
8. Where is Tea raised? Cotton?
9. What do the East Indies include?
10. Describe the climate of Australia.
11. What is the most fertile part of Africa, and why?
12. What can you say of Liberia?
13. Name four Peninsulas in Europe.
14. Where are St. Helena and Anglesey situated?
15. Describe the surface of South America.
16. What mines are in Brazil?
17. Difference between Llanos and Selvas?
18. Under what physical conditions does agriculture flourish?
19. Where will commerce spring up, and why?
20. Draw a map of New York and locate New York City, Buffalo and the Hudson River.

QUESTIONS IN GRAMMAR.

1. Write the plural of *alley*, *brother-in-law*, *hero*, *loaf*, *trout*.
2. Write the possessive singular and plural of *heiress*, *landlady*, *child*, *watch*, *box*.
3. Decline *it* and *who*.
4. Compare *gentle*, *worse*, *merry*, *least*, *hot*.
5. Change the verb to the passive form without altering the sense.
"The branches protected them from the rays of the sun."
6. Write the past perfect potential, passive form, of the verb *beseech* in the first person singular.
7. Write the first person singular of the verb *teach* in the past tense progressive form; also, in the emphatic form.

8. Give the synopsis of the verb *think* in the indicative mood, first person.
9. Define a complex sentence. Change the following compound sentence to a complex one:

“ The storm was rising and we hastened home.”

10. Correct the following:

Is she as tall as me ?

Who did you speak to ?

Let you and she come.

What book had you ought to take ?

Any body in their senses would have done so.

This decision, being straightway made known, diffused general joy throughout New Amsterdam, for the people immediately perceived that they had a very nice and equitable magistrate to rule over them.

11. Point out all the conjunctions and prepositions.
12. Tell what parts each of these words connects, or shows the relation between.
13. Point out *five* of the adjectives and adverbs, and tell what each of them limits.
14. Parse *being made known*.

The stillness, the desertion and obscurity *that* were prevailing *around* gave a deeper and more solemn interest to the place.

15. Parse *that*.

16. What is the subject of *gave* ? Parse *around*.

17. Correct the following sentences:

Franklin learned his trade, who afterwards became a distinguished philosopher, in the printing office of his brother.

Wanted, a young man, to take care of a garden, of good disposition.

18. Re-write the following sentences, putting them into the form of a composition:

The boy wrote. He was a good boy. He wrote a letter. He wrote to his father. He wrote from school. He wrote it early in the morning. He wrote it before breakfast.

19. Transform the following lines:

Now came still evening on, and twilight gray

Had in her sober livery all things clad.

20. Insert the proper Capitals and Punctuation marks in the following:

it used to be asked who reads an american book but at the present day among poets may be named longfellow.

QUESTIONS IN ARITHMETIC.

1. In simple numbers, what are the relative values of the units in the different places ?
2. Also, how does a unit of any order compare with a unit two places lower, and with a unit two places higher, in the scale ?
3. Express 30400050000 in words.
4. What is the sum of eight hundred, and one one-hundredth; and ninety, and nineteen thousand twenty-five hundred-thousandths ?
5. Also, reckon the difference between the same two numbers.
6. Multiply .405 by .00405.
7. Divide .405 by .00405.

8. Find the sum of $\frac{8}{9}$ and $\frac{5}{6}$, and the difference between the same two numbers.

9. Multiply $\frac{8}{9}$ by $\frac{5}{6}$, giving a reason for each step in the process.

10. Divide $\frac{8}{9}$ by $\frac{5}{6}$, giving a reason for each step in the process.

11. In compound numbers, what is the scale of values of the different orders of units employed in reckoning distance, as is shown in the table of Long Measure?

12. Add together 31 rods, 5 yards, 5 inches; and 7 rods, 5 yards, 2 feet, 7 inches.

13. Also, reckon the difference between these two compound numbers.

14. Define Ratio, and Proportion.

15. Fill the blanks in the following proportions:

$$3 : 6 = 5 :$$

$$3 : \quad = 9 : 12$$

$$3 : 9 = \quad : 15$$

$$\quad : 8 = 2 : 16$$

16. If a man could do a job of work in a certain time, how many men would be required to do $\frac{1}{3}$ of the work in $\frac{1}{2}$ the time?

17. What will be due August 1, 1874, on a note of \$636.00, at 7.3 per cent., that was dated July 1, 1873?

18. Which is better, 6 per cent. dividend on stock costing 20 per cent. below par; or 9 per cent. on stock costing 20 per cent. above par: the dividends being reckoned upon the par values?

19. In rowing across a river 820 feet wide, the current caused my landing 615 feet lower down; how far did my boat run?

20. How many feet deep is a cubical reservoir, holding 3415104 gallons of 231 cubic inches?

SPELLING.

Excel, familiar, stupefy, grammar, surmount, supersede, grievous, fertilize, ceiling, shrewd, courageous, surveyor, agreeable, fascinate, plausible, delineate, firmament, raiment, syllable, persuasion.

F.

LIST OF APPROVED CANDIDATES FOR SITUATIONS
AS TEACHERS, EXAMINED FEBRUARY 24, 1874.

NAME.	EXPERIENCE.	EDUCATED AT
Helen L. Ham, . . .	None.	L. S. and graduate S. N. S.
Florence L. Lovett, . .	None.	L. S. and S. N. S. ; gr. in July.
*Cora V. Barnard, . .	None.	L. S. ; S. N. S. one year.
Viola A. Hamblett, . .	None.	L. S. and S. N. S. ; gr. in July.
Mercena F. Whitehorn,	None.	L. S. ; S. N. S. nine months.
Emma J. Daggett, . .	None.	L. S. ; S. N. S. one year.
Agnes I. Meldrum, . .	4 mos. Eve'g School.	Lowell Schools.
Edith A. Gove, . . .	7 months.	Lowell Schools.
Lizzie H. Greene, . .	5 terms.	{ Blue Hill (Maine) Academy. S. N. S. 1½ years.
Josephine A. Paulint, .	4 mos. Eve'g School.	Lowell Schools.
Harriet A. Johnson, .	5 terms.	Lowell Schools.
Susie M. Hyde, . . .	None.	Lowell Schools.
Minnie F. Wing, . . .	1 year.	Lowell Schools.
E. Mary Schelenger, .	None.	Salem Normal School grad.
Mary A. Hammill, . .	None.	Lowell Schools.
Nellie M. Brown, . .	None.	Lowell Schools.
Ida T. Hardy, . . .	2 terms.	L. S. ; S. N. S. one year.
*Frances E. Garrity, . .	None.	L. S. ; S. N. S. one month.
Emma J. Choate, . .	None.	Lowell Schools.
Frances M. Talbot, . .	2 years.	Bridgewater N. S. gr. in July.
Nellie Kohawn, . . .	None.	Lowell Schools.
Maria L. Trask, . . .	None.	Lowell Schools.

Certificates of Qualifications were also granted to the following :

Sarah E. Stevenson,	Maria W. Roberts,	Mary E. Rogers,
Clementine H. Bowers,	*Mary E. Stone,	Gertrude Sheldon,
*Abbie E. French,	Imogene F. Thomas,	Mary P. White,
Ellen A. Stillings,	*Fanny M. Clark,	*Belle T. Vinal,
Lizzie A. Nolan,	Frances E. Morrill,	Helen C. Frye,
*Sarah J. Gilman,	Ida B. Cheney,	Lucy J. Garrett,
Mary C. Hyde,	*Annie C. Howe,	Anna M. Cooledge.

Some of the above candidates are not applicants for schools. *Elected to schools during the year.

G.

NAMES OF HIGH AND GRAMMAR SCHOOL TEACHERS,

THEIR SCHOOLS, DATE OF ELECTION, SALARIES AND RESIDENCES.

Jan. 1, 1875. SCHOOLS.	TEACHERS.	ELECTED.	SALARIES.	RESIDENCES.
High.....	Chas. C. Chase, Principal,	1845	\$2,500	11 Nesmith street.
	Edwin H. Lord.....	1873	2,000	E. Merrimack street.
	James S. Russell.....	1835	1,700	39 Nesmith street.
	Chas. de Frondat.....	1874	500	408 Merrimack street.
	Mary A. Webster.....	1860	750	45 Myrtle street.
	Marietta Melvin.....	1859	750	381 Merrimack street.
	Elizabeth McDaniels.....	1868	750	E. Merrimack street.
	Harriet C. Hovey.....	1870	750	12 Fourth street.
	Charlotte E. Draper.....	1870	750	150 Worthen street.
Grammar Sch's. Bartlett.....	Samuel Bement, Principal	1851	1,700	428 Merrimack street.
	Marianne B. Kent.....	1859	600	428 Merrimack street.
	Abbie E. French.....	1874	400	40 Marion street.
	Mary E. Pike.....	1848	600	53 Third street.
	Cemantha R. Nichols.....	1867	600	116 Salem street.
	M. Ida Howe.....	1873	500	28 Third street.
	Mary C. Gardner.....	1860	600	Mt. Wash'n n'r Varney.
	Sophia P. Wetherbee.....	1847	600	19 Kirk street.
	Caroline E. Holt.....	1856	600	430 Merrimack street.
Colburn.....	Albert L. Bacheller, Prin.	1874	1,700	11 Bridge street.
	Elizabeth W. Frost.....	1857	600	266 Gorham street.
	Susan M. Andrews.....	1864	600	42 Walnut street.
	Sarah J. Crosby.....	1868	600	151 Gorham street.
	Emma C. Sawyer.....	1867	600	280 Central street.
	Arvilla L. Reader.....	1871	600	106 Appleton street.
	C. W. Burbank, Principal,	1872	1,700	12 Coral street.
	Mary E. Stone.....	1874	400	13 Cottage street.
	Helen A. Bowers.....	1873	450	56 Tyler street.
Edson.....	Maria C. R. Swan.....	1862	600	35 Adams street.
	Anna A. Sargent.....	1864	600	260 Gorham street.
	Mary F. Carleton.....	1856	600	42 Chapel street.
	Fannie A. Scripture.....	1873	500	Cor. Centre & Central.
	Olive W. Beane.....	1860	600	12 Queen street.
	Mary A. Balch.....	1865	600	8 Favor street.
	Perley Balch, Principal...	1845	1,700	8 Favor street.
	Sarah E. French.....	1867	600	2 Butterfield street.
	Abbie F. Woodward.....	1869	600	26 Race street.
Franklin.....	Luella A. Wardwell.....	1870	600	30 School street.
	Fannie M. Clark.....	1874	400	377 Middlesex street.
	Albert L. Fisk, Principal,	1874	1,700	11 Kirk street.
	Ida A. Hill.....	1870	600	7 Cabot street.
	Annie E. Richardson....	1871	600	116 Pawtucket street.
	Nettie E. Carleton.....	1867	600	42 Chapel street.
	Ruth B. Bailey.....	1871	600	12 Hanover street.
	Ellen S. Burrill.....	1860	600	1 Lawrence Corporat'n.
	Ida Sheldon.....	1871	600	35 Howard street.
Green.....	Emma L. Pevey.....	1868	600	8 Dutton street.
	Annie C. Howe.....	1874	400	26 Third street.
	Nellie M. Gallagher, Prin.	1868	1,600	56 Bartlett street.
	Frances M. Webster.....	1873	450	Cor. Sixth & Myrtle sts.
	Laura F. Howe.....	1856	600	166 Stackpole street.
	Celestia P. Chase.....	1867	600	61 Tilden street.
	Julia M. Healey.....	1870	600	45 Worthen street.
	Joseph Peabody, Princip'l	1856	1,700	116 Appleton street.
Moody.....	Mary E. Way.....	1858	600	22 Tyler street.
	Helen A. Haggett.....	1865	600	28 High street.
	Mary E. Hardman.....	1873	600	158 Stackpole street.
	Cora V. Barnard.....	1874	400	43 Mass. Corporation.
	Lanra J. Pindar.....	1856	600	35 Tyler street.
	Sarah E. Bailey.....	1856	600	6 High street.
	Frances E. Hardman.....	1873	450	158 Stackpole street.
	Frances E. Garrity.....	1874	400	42 High street.
	Cornelia Davis, Principal.	1873	1,000	11 Willow street.
Sherman.....	D. P. Galloupe, Principal,	1853	1,700	84 Methuen street.
	Georgiana F. Vinton.....	1872	500	32 Fourth street.
	Harriet Bradley.....	1854	600	38 Fourth street.
	Sarah F. Dillingham.....	1870	600	131 Bridge street.
	Sarah A. Bradley.....	1857	600	145 Bridge street.
	Clara A. Hannaford.....	1869	600	11 Fifth street.
	*B. Harrison.....	1865	1,500	Arlington street.
	†George F. Willey.....	1866	1,700	32 Appleton street.

*Teacher of Penmanship and Drawing.

†Teacher of Vocal Music.

NAMES OF PRIMARY SCHOOL TEACHERS.

THESE SCHOOLS, DATE OF ELECTION, SALARIES AND RESIDENCES.

SCHOOLS.	TEACHERS.	ELECTED.	SALARIES.	RESIDENCES.
Primary No. 1.	1. Anne S. Barlow.....	1873	\$60	74 Market street.
	2. Anne G. Wilson.....	1874	60	19 Chestnut street.
	3. Lucy F. Currier.....	1875	60	42 Chapel street.
	4. Elizabeth A. Corcoran.....	1874	60	47 Tyler street.
	5. Anna F. Prudden.....	1875	60	132 Appleton street.
	6. Mary J. Rice.....	1875	60	2 Tyler street.
	7. Martha A. Franklin.....	1876	60	67 Vernon street.
	8. Martha S. Williams.....	1876	60	274 Central street.
	9. Martha A. Neal.....	1875	60	14 Dodge street.
	10. Rebecca V. McArthur.....	1877	60	7 Bank street.
	11. Eliza Mayhew.....	1878	60	224 Moody street.
	12. Corretta M. Davis.....	1877	60	41 Rock street.
	13. S. Augusta Sargent.....	1879	60	28 High street.
	14. Anne E. Wetherill.....	1877	60	94 South street.
	15. Harriett H.....	1877	60	45 Fairmount street.
	16. Sarah C. Foster.....	1877	60	134 Appleton street.
	17. Anna Cowley.....	1877	60	175 Lawrence street.
	18. Emma N. Smith.....	1877	60	76 Lawrence street.
	19. Sarah J. Perkins.....	1877	60	25 Graham street.
	20. Anne F. Baker.....	1877	60	84 Adams street.
	21. Ella E. Gardner.....	1877	60	4 Mt. Washington st.
	22. Anne M. Henney.....	1877	60	24 Pryor street.
	23. Ellen A. Bridge.....	1877	60	222 Central street.
	24. Martha L. Shaw.....	1877	60	248 Washington street.
	25. Charlotte E. Brown.....	1877	60	108 Fletcher street.
	26. Mary E. Dew.....	1878	60	22 * Ames street.
	27. Emily M. Warren.....	1878	60	68 Chestnut street.
	28. Jennie F. Wadsworth.....	1877	60	32 Race street.
	29. Alice L. Foy.....	1877	60	30 Falmes street.
	30. Elizabeth A. Smith.....	1877	60	135 E. Massachusetts street.
	31. Eliza F. Coughlin.....	1877	60	11 Auburn street.
	32. Amanda M. Mayhew.....	1877	60	182 Central street.
	33. Lizzie S. Love.....	1877	60	3 Nichols street.
	34. Clara A. Emerson.....	1877	60	64 Andrew street.
	35. Mary A. Neale.....	1877	60	100 Court and Grove st.
	36. Elizabeth A. Day.....	1877	60	274 Central street.
	37. Mary C. Kibbler.....	1877	60	167 Moody street.
	38. Alice L. Sargent.....	1877	60	119 Washington street.
	39. Sarah E. Smith.....	1877	60	94 South street.
	40. Lida J. Cunningham.....	1877	60	74 First street.
	41. Lizzie M. Henney.....	1877	60	111 Throckmole street.
	42. Nellie M. Brown.....	1877	60	106 Fletcher street.
	43. Mary L. Hill.....	1878	60	224 Western street.
	44. Ellen M. White.....	1878	60	35 Oak street.
	45. Eliza A. Butler.....	1878	60	32 Third street.
	46. Martha W. Bridge.....	1878	60	36 Federal street.
	47. Marion A. Scott.....	1878	60	4 Fremont street.
	48. Marcella M. Foster.....	1878	60	36 Third street.
	49. Julia Leighton.....	1877	60	100 House & Blanchard
	50. Mary J. Ayer.....	1878	60	7 Oak street.
	51. S. Maria Kinsman.....	1878	60	21 High street square.
	52. Sarah L. Gibbs.....	1878	60	5 S. Main street.
	53. Abby T. Gibbs.....	1878	60	5 S. High street.
	54. Ella S. Smith.....	1877	60	25 Bridge street.
	55. Laura E. Lee.....	1877	60	145 Grant street.
	56. Fannie T. White.....	1877	60	134 Throckmole street.
Primary No. 2.	1. Jennie M. Nesmith.....	1877	60	Madison Village.
	2. Laura J. Gould.....	1877	60	Vernon street.
	3. Arnes J. Gibbs.....	1877	60	Lawrence street.

* Re-elected in September 1878.

SUMMARY OF THE ANNUAL RETURNS OF THE PUBLIC SCHOOLS OF THE CITY OF LOWELL, FOR THE YEAR ENDING DECEMBER 21, 1874.

SCHOOL.	LOCATION.	No. of pupils belonging, December 21, 1874.			Whole No. of pupils on time-book since Jan. 1, 1874.			Average No. of pupils belonging to school.			Average daily Attendance.			No. entered not rec'd from any other public school.	Received from other public schools of lower grade.	Received from other public schools of same grade.	Sent to other public schools of same grade.	Sent to other public schools of higher grade.	No. having legal certificates of schooling for mills.	Over fifteen years of age December 21, 1874.	Between ten and fifteen years of age December 21, 1874.	Under six years of age December 21, 1874.	Per cent. of attendance.
		Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.										
High.....	Anne and Kirk streets.....	149	162	311	196	216	412	131	149	280	128	144	272	2	142	0	0	0	0	238	73	0	97
Grammar.																							
Bartlett.....	Clark street.....	202	155	357	274	215	489	177	149	326	151	137	288	27	82	6	19	27	24	28	277	0	93
Colburn.....	Lawrence street	139	154	293	268	232	500	132	125	257	118	112	230	26	100	18	18	8	122	9	244	0	88
Edson.....	Highland street.....	211	206	417	345	338	683	194	173	367	176	167	343	28	124	24	8	28	13	24	306	0	93
Franklin	Branch street.....	96	118	214	141	173	314	90	122	212	83	112	195	13	58	12	9	15	10	21	166	0	92
Green	Merrimack street	183	164	347	261	265	526	158	174	332	143	151	294	39	75	18	12	29	38	37	266	0	89
Mann.....	Lewis street	164	30	194	302	58	360	152	29	181	141	26	167	12	55	6	9	10	150	9	157	0	91
Moody.....	High and East Merrimack sts.	145	171	316	245	278	523	157	177	334	143	160	303	31	80	17	12	18	43	17	230	0	91
Sherman	Powell street	27	17	44	36	27	63	22	17	39	21	16	37	0	5	8	7	2	9	6	31	0	94
Warrum	Myrtle street (Centralville)...	156	143	299	219	203	422	132	114	246	118	103	221	49	68	19	12	11	36	12	209	0	90
	Totals	1323	1158	2481	2091	1789	3880	1214	1080	2294	1094	984	2078	225	647	128	106	148	445	163	1886	6	90

Summary of the Annual Returns of the Public Schools — Continued.

SCHOOL.	LOCATION.	No. of pupils belonging, December 21, 1874.		Whole No. of pupils on time-book since Jan. 1, 1874.		Average No. of pupils belonging to school.		Average daily Attendance.		No. entered not rec'd from any other public school.	Received from other public schools of lower grade.	Received from other public schools of same grade.	Sent to other public schools of same grade.	Sent to other public schools of higher grade.	No. having legal certificates of schooling for mills.	Over fifteen years of age December 21, 1874.	Between ten and fifteen years of age December 21, 1874.	Under six years of age December 21, 1874.	Per cent. of attendance.					
		Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.											Total.				
Primaries.	Upper Grade.	(No. 4.....	32	23	55	51	40	91	28	21	49	25	19	44	1	33	6	8	25	3	0	7	0	90
		7.....	25	23	48	44	44	88	21	23	44	20	21	41	1	28	5	9	23	3	0	12	0	93
		8.....	20	21	41	44	38	82	23	20	43	21	18	39	4	25	6	7	21	2	0	16	0	91
		9.....	30	20	50	51	47	98	27	23	50	25	20	45	2	27	9	12	24	1	0	17	0	90
		12.....	19	16	35	52	40	92	26	19	45	24	16	40	6	28	6	7	30	1	1	10	1	89
		15.....	28	19	47	53	44	97	23	19	42	22	17	39	14	29	11	11	21	8	0	10	0	93
		18.....	28	25	53	49	45	94	25	22	47	23	19	42	3	31	8	6	21	3	0	10	0	90
		19.....	26	26	52	55	50	105	28	24	52	27	22	49	5	36	7	12	26	5	2	6	2	94
		25.....	18	20	38	42	53	95	20	23	43	19	20	39	9	26	10	10	32	10	0	6	0	91
		30.....	22	21	43	45	43	88	24	20	44	22	17	39	6	29	8	13	20	4	1	10	1	90
		33.....	16	28	44	54	62	116	23	27	50	21	24	45	8	18	20	5	51	10	0	14	0	90
		37.....	24	26	50	46	56	102	24	23	47	22	20	42	3	29	10	6	19	12	0	20	0	89
		40.....	22	22	44	46	41	87	19	17	36	17	16	33	4	34	12	7	24	1	0	3	0	91
		47.....	33	36	69	52	57	109	25	27	52	23	25	48	3	45	7	4	33	1	0	4	0	92
		48.....	23	29	52	27	39	66	24	26	50	21	22	43	0	35	18	14	25	6	0	1	0	86
		52.....	26	19	45	50	56	106	23	26	49	21	23	44	7	32	5	6	34	4	0	4	0	90
		56.....	22	24	46	46	51	97	21	23	44	19	20	39	9	18	16	6	8	1	0	6	0	89
		Totals		414	398	812	807	806	1613	404	383	787	372	339	711	85	503	164	138	437	81	0	146	4	90

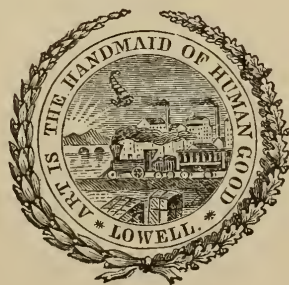
Upper Grade.

Primaries.	{	No. 54.....	Chapel street.....	27	18	45	53	41	94	27	23	50	26	20	46	30	0	10	3	34	0	0	0	16	92						
			Chapel street.....	23	28	51	49	59	108	24	24	50	23	24	47	45	0	9	19	33	0	0	0	1	24	94					
			Worthen street.....	29	19	48	58	41	99	33	19	52	29	16	45	29	0	12	8	23	33	1	0	1	16	87					
			Church street.....	21	22	43	69	64	133	25	22	47	23	20	43	47	0	16	33	31	1	1	0	0	20	91					
			Worthen street.....	24	19	43	57	50	107	24	25	49	22	22	44	30	0	14	9	23	2	2	0	1	15	90					
			Elliot street.....	29	15	44	69	53	122	26	19	45	25	16	41	50	0	7	10	32	2	0	0	0	20	91					
			Central street.....	22	31	53	45	65	110	23	23	49	21	23	44	24	0	9	25	32	0	0	0	0	12	90					
			Charles street.....	26	23	49	66	53	119	34	23	57	30	22	52	45	0	10	15	34	0	0	0	0	27	93					
			High street.....	26	23	49	67	55	122	32	26	58	29	22	51	31	0	21	12	25	0	0	1	1	24	88					
			Elliot street.....	32	25	57	68	53	121	27	22	49	26	21	47	54	0	15	13	28	2	0	0	1	25	95					
			Ames street.....	29	21	50	57	49	106	20	20	40	19	19	38	31	0	42	10	30	9	0	7	4	18	95					
			Fayette street.....	29	25	54	64	67	131	31	28	59	27	24	51	23	0	49	12	73	2	0	0	0	10	86					
			Rock street.....	20	18	38	53	45	98	22	19	41	21	17	38	43	0	14	7	34	0	0	0	0	22	93					
			Myrtle street.....	24	26	50	51	56	107	25	28	53	22	24	46	46	0	9	10	48	0	0	0	0	8	87					
			West Sixth street.....	29	25	54	64	39	103	31	22	53	27	18	45	32	0	16	6	35	1	3	0	0	20	85					
Ungraded.	{	No. 2.....	High street.....	30	28	58	92	83	175	35	40	75	30	35	65	68	0	28	39	35	3	0	0	23	87						
			Ames street.....	24	28	52	57	64	121	25	25	50	23	23	46	44	0	17	19	36	0	0	0	21	92						
			Totals	444	394	838	1039	937	1976	464	413	877	423	366	789	672	0	298	250	586	23	3	16	321	90						
			Primaries.	{	No. 2.....	School street.....	28	21	49	46	35	81	26	22	48	24	20	44	21	0	7	9	11	0	0	12	92				
						Paige street.....	34	27	61	58	61	119	29	31	60	27	28	55	27	0	11	25	13	0	0	5	9	91			
						Howard street.....	31	19	50	62	41	103	35	21	56	31	18	49	36	0	15	7	16	0	0	5	5	87			
						Grand street	35	15	50	59	31	90	36	20	56	34	18	52	25	0	5	8	12	2	0	3	7	94			
						Powell street.....	21	19	40	32	35	67	17	20	37	16	17	33	16	0	14	13	3	1	0	0	10	89			
						Adams street.....	51	25	76	74	36	110	54	25	79	51	23	74	22	0	16	1	23	0	0	2	8	93			
						Fourth street....	29	19	48	55	60	115	22	24	46	20	21	41	36	0	34	15	10	10	0	8	4	89			
						Totals	229	145	374	386	299	685	219	163	382	203	145	348	183	0	92	78	88	13	0	26	55	91			
						Graded	{	No. 17... 20... 36... 43... 44... Upper	Branch street.....	17	23	40	51	49	100	21	19	40	19	17	36	4	34	11	3	37	11	0	9	0	90
									Carter street	22	22	44	50	41	91	21	17	38	19	16	35	4	44	5	8	27	1	0	3	0	92
									Cabot street... ..	43	12	55	75	40	115	35	20	55	27	20	47	5	50	7	4	50	12	1	25	1	85
									Cross street.....	38	2	40	90	15	105	40	6	46	37	5	42	10	37	6	3	40	17	0	12	0	91
Lewis street	45	15							60	92	39	131	43	15	58	40	11	51	23	37	3	4	23	26	2	20	0	88			
Totals	165	74							239	358	184	542	160	77	237	142	69	211	46	202	32	22	177	67	3	69	1	89			

Summary of the Annual Returns of the Public Schools — Continued.

SCHOOL.	LOCATION.	No. of pupils belonging, December 21, 1874.		Whole No. of pupils on time-book since Jan. 1, 1874.		Average No. of Pupils belonging to school.		Average daily Attendance.			No. entered not rec'd from any other public school.	Received from other public schools of lower grade.	Received from other public schools of same grade.	Sent to other public schools of same grade.	Sent to other public schools of higher grade.	No. having legal certificates of schooling for mills.	Over fifteen years of age December 21, 1874.	Between ten and fifteen years of age December 21, 1874.	Under six years of age December 21, 1874.	Per cent. of attendance.
		Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.										
<i>Primaries.</i> (No. 34... 57... 38... 11... 22... Middle. Graded.)	Branch street.....	30	27	57	53	59	112	23	28	51	4	44	7	6	34	2	0	5	1	90
	Carter street.....	25	22	47	55	50	105	25	23	48	5	63	10	2	45	0	0	1	1	87
	Cabot street.....	28	18	46	66	46	112	25	17	42	17	37	11	6	44	7	0	3	3	93
	Gross street.....	42	2	44	81	16	97	4	4	45	37	51	13	9	37	1	0	1	0	87
	Lewis street.....	36	14	50	90	24	114	44	10	54	8	48	4	2	36	1	0	3	0	87
	Totals.....	161	83	244	345	195	540	158	82	240	41	243	45	25	195	11	0	13	5	89
<i>Primaries.</i> (No. 50... 13... 10... 26... 41... Lower. Graded.)	Branch street.....	22	16	38	73	63	136	26	22	48	73	0	11	7	43	6	0	1	11	87
	Carter street.....	19	12	31	68	48	116	25	15	40	35	0	13	10	66	1	0	0	18	92
	Race street.....	32	14	46	84	52	136	33	17	50	45	72	3	5	41	5	0	0	20	89
	Salem street.....	48	9	57	101	32	133	42	10	52	49	73	0	4	54	4	0	4	34	94
	Lewis street.....	51	12	63	106	35	141	52	12	64	56	0	6	9	50	0	0	0	35	88
	Totals.....	172	63	235	432	230	662	178	76	254	309	0	37	35	254	16	0	5	118	90
<i>Mixed.</i> No. 1..... 2..... 3.....	Pawtucketville.....	20	21	41	24	25	49	19	21	40	34	2	5	5	0	2	0	2	8	85
	Varnum street.....	12	4	16	17	6	23	10	5	15	13	0	3	0	0	0	2	5	1	86
	Middlesex Village.....	24	14	38	25	21	46	23	17	40	33	0	5	3	0	0	3	18	4	82
	Totals.....	56	39	95	66	52	118	52	43	95	80	0	13	8	0	2	5	25	13	84
Summary.....		3113	2516	5629	5720	4708	10428	2980	2466	5446	4932	1737	809	662	1886	658	412	2259	517	91

THE
AUDITOR'S
Thirty--Ninth Annual Report
OF THE
RECEIPTS AND EXPENDITURES
OF THE
CITY OF LOWELL,
*TOGETHER WITH THE TREASURER'S ACCOUNT FOR THE FINANCIAL
YEAR ENDING DECEMBER 31, 1874.*



LOWELL:
CITIZEN AND NEWS PRESS,—KNAPP & MOREY, BOOK AND JOB PRINTERS,
44 Central Street.
1875.

CITY OF LOWELL.



IN COMMON COUNCIL January 12, 1875.

Read and sent up to the Board of Aldermen.

DAVID CHASE, CLERK.

IN BOARD OF ALDERMEN, January 12, 1875.

Received and read.

SAMUEL A. McPHETRES, City Clerk.

AUDITOR'S REPORT
OF THE
RECEIPTS AND EXPENDITURES
FOR THE YEAR ENDING
DECEMBER 31, 1874.

AUDITOR'S REPORT.

CITY OF LOWELL,
AUDITOR'S OFFICE, JANUARY 12, 1875. }

To the City Council of the City of Lowell:

The Auditor of Accounts herewith has the honor of presenting to the City Council the Thirty-Ninth Annual Report of the Receipts and Expenditures of the City of Lowell, showing the financial transactions for the year which terminated on the 31st day of December, 1874, with the details under the separate heads.

Annexed are schedules of all the property of the City, a statement of the City Debt, and the debts due the City.

RECEIPTS.

The whole amount of money received into the Treasury from all sources, from December 31st, 1873, to December 31st, 1874, as by the account of the Treasurer, was \$1,373,792 80

Of this amount there was received

For Taxes of 1872,.....	\$	81	68
Taxes of 1873,.....		19,870	01
Taxes of 1874,.....		606,282	52
			<hr/>
Total amount received for taxes,...			626,234 21
			<hr/>
Amount carried forward,.....	\$	626,234	21

Amount brought forward,..... \$626,234 21

Received on account of RESERVED FUND :

From Huntington Hall, for rent.....	\$2,616 81
From Jackson Hall, for rent,.....	41 00
From Market House Building, for rent (of store and cellar),.....	1,200 00
From Commonwealth, for rent of Armories for 1873,.....	1,200 00
From City Government Building, for rent of stores,	3,840 00
From heating stores in City Gov'ment Building	60 00
From Sydney Davis, Superintendent of City Scales, fees for weighing,.....	687 80
From Sydney Davis, for fees as Measurer of Wood and Bark,.....	343 60
From City Clerk, for Marriage Certificates,...	319 50
From City Clerk, for recording Mortgages and Assignments of Wages,.....	583 55
From City Clerk, for sundry Licenses,.....	1,177 40
From sundry persons, for costs on taxes and interest on same,.....	1,407 89
From Hugh O'Neil, for costs of preparing the estate of John Fryar for sale for non-pay- ment of taxes of 1873,.....	3 91
From S. N. Harris, for costs of preparing the estate of C. L. Palmer for sale for non-pay- ment of taxes of 1873,.....	3 78
From S. N. Harris, for costs of preparing the estate of B. F. Bartlett for sale for non-pay- ment of taxes of 1873,.....	3 81
From Edward Lang, for costs of preparing the estate of J. S. Bragdon for sale for non-pay- ment of taxes of 1873,.....	3 78
From heirs of J. Bennett, for costs of prepar- ing the estate of heirs of J. Bennett for sale for non-payment of taxes of 1873,.....	3 93
From Hugh O'Neil, for costs of preparing the estate of J. Welch for sale for non-payment of taxes of 1873,.....	3 97
From Harry R. Rice, for costs of preparing the estate of Mary Gilson for sale for non-pay- ment of taxes of 1873.....	4 23
From Hugh O'Neil, for amount paid by him over and above the taxes and costs on the estate of John Fryar, sold for non-payment of taxes of 1873,.....	13 66

Amounts carried forward,..... \$13,518 62 \$626,234 21

Amounts brought forward,..... \$13,518 62 \$626,234 21

Received on account of RESERVED FUND:

From S. N. Harris, for amount paid by him over and above the taxes and costs on the estate of C. L. Palmer, sold for non-payment of taxes of 1873,.....	25 31
From S. N. Harris, for amount paid by him over and above the taxes and costs on the estate of B. F. Bartlett, sold for non-payment of taxes of 1873,.....	26 38
From Edward Lang, for amount paid by him over and above the taxes and costs on the estate of J. S. Bragdon, sold for non-payment of taxes of 1873,.....	7 31
From heirs of J. Bennett, for amount paid by them over and above the taxes and costs on the estate of the heirs of J. Bennett, sold for non-payment of taxes of 1873,.....	121 18
From Hugh O'Neil, for amount paid by him over and above the taxes and costs on the estate of J. Welch, sold for non-payment of taxes of 1873,.....	67 28
From Harry R. Rice, for amount paid by him over and above the taxes and costs on the estate of Mary Gilson, sold for non-payment of taxes of 1873,.....	40 70
From C. A. Hamblett, for costs of preparing his estate for sale for non-payment of sidewalk assessment,.....	6 10
From A. C. Wheelock, by City of Lowell, on Collector's sale for costs of preparing his estate on Howard Street for sale for non-payment of sewer assessment,.....	9 86
From James Critchett, for costs of preparing his estate for sale for non-payment of sewer assessment,.....	4 25
From John A. Buttrick, for costs of preparing the estate of Ellen Lowney for sale for non-payment of sewer assessment,.....	9 97
From appropriation for School Houses, for heating,	528 77
From appropriation for Fire Department, for heating,.....	150 00
From George J. Carney, for heating Lowell Institution for Savings building, and J. Rogers & Co's store,.....	775 00

Amounts carried forward,..... \$15,290 73 \$626,234 21

Amounts brought forward,..... \$15,290 73 \$626,234 21

Received on account of RESERVED FUND:

From George J. Carney, for extra labor heating,	62 50	
From First Congregational Church, for heating,	170 00	
From H. J. Smith, for use of hearses,.....	36 15	
From J. A. Janvrin, for hawkers and peddler's license,.....	25 00	
From Bernard Brady, for hawkers and peddler's license,.....	25 00	
From Charles Francis, for hawkers and ped- dler's license,.....	25 00	
From S. J. Foote, for hawkers and peddler's license,.....	25 00	
From John H. Nichols, for waste paper,.....	7 66	
From B. Goddard & Son, for wood,.....	1 00	
From F. G. Harris, for wood,.....	1 00	
From Lowell Mechanic Phalanx, for towel and comb,	75	
From S. J. Foote, on account of tax for 1871,	4 22	
From Sydney Davis, for manure,.....	8 00	
From Robert Oldroyd, for use of Ward Room No. 6,.....	2 00	
From Nichols & Hutchins, for use of range,.	3 00	
From John Brady, for use of range,.....	12 00	
From Knights of Pythias, for use of range,..	6 00	
From Knights of Pythias, for coal,.....	1 00	
From A. L. Waite, agent, for use of water in sprinkling streets, (1873,).....	300 00	
		16,006 01

Received on account of SCHOOLS:

From Commonwealth, being the City's propor- tion of the School Fund to January 1, 1874,	1,259 93	
From sundry persons, for tuition, books, &c.,.	925 24	
		2,185 17

Received on account of SCHOOL HOUSES:

From Mrs. W. H. Gage, for rent of tenement on Kirk street,.....	350 00	
From Mrs. C. S. Finn, for rent of tenement on Kirk street,.....	466 67	
<i>Amounts carried forward</i> ,.....	\$816 67	\$644,425 39

Amounts brought forward,..... \$816 67 \$644,425 39

Received on account of SCHOOL HOUSES :

From S. W. Stickney, for rent of tenement on Kirk street,.....	256 67	
From Margaret Fiske, for rent of tenement on Kirk street,.....	408 34	
From L. G. Howe, for blackboards, broken glass, old material and shingles,.....	48 02	
From appropriation for Schools, for wood, varnish and blackboards,.....	140 10	
From appropriation for Roads and Bridges, for labor,.....	6 00	
From appropriation for Police, for lumber,..	48 49	
From appropriation for Paupers, for material,	39 01	
From appropriation for Sewers and Drains, for abatement of assessment,..... ..	252 35	
From appropriation for Commons, for paint,..	36 17	
From appropriation for Water Works, for lumber and sundries,.....	108 27	
From appropriation for Fire Department, for lumber, labor and material,.....	228 45	
		2,388 54

Received on account of ROADS AND BRIDGES :

From sundry persons, for sidewalk assessments, street material, coal, stone, labor, &c.,.....	37,046 10	
From Nashua & Lowell Railroad Co., for land on Western Avenue,.....	872 64	
From Nashua & Lowell Railroad Co., for expense of moving buildings,.....	1,000 00	
From Boston & Lowell Railroad Co., for reimbursement of money paid Helen A., Mary F. and Mrs. G. K. Eastman, for land,.....	850 00	
		39,768 74

Received on account of PAUPERS :

From town of Manchester, for aid rendered Ann Quinn,.....	40 50	
From City of Somerville, for aid rendered James Swift,.....	86 85	
From Town of Watertown, for aid rendered Catherine Kerwin,.....	39 00	
<i>Amounts carried forward</i> ,.....	\$166 35	\$686,582 67

<i>Amounts brought forward,.....</i>	\$166 35	\$686,582 67
Received on account of PAUPERS :		
From Town of Milford, for aid rendered Margaret Quinn	70 00	
From City of Charlestown, for support of boys at Almshouse,.....	102 48	
From City of Charlestown, for support of John F. and Mary A. McDermott, and Thomas McDermott and daughter,.....	39 70	
From Town of Concord, for aid rendered Elizabeth Howe,	30 00	
From Town of Woburn, for support of boys at Almshouse,.....	256 00	
From Town of Danvers, for support of Annie M. Welch and children,.....	710 00	
From City of Chelsea, for support of boys at Almshouse,.....	488 67	
From Town of Tewksbury, for aid rendered Anthony McDonald,.....	32 00	
From City of Cambridge, for aid rendered M. A. Kershaw,.....	47 00	
From Commonwealth, on account of State Paupers,.....	809 70	
From Town of Chelmsford, for aid rendered Richard Mealey,.....	51 00	
From City of Lawrence, for aid rendered Aaron Noble, Mary Kelley, Elizabeth Nott and Charles Knapp,....	176 00	
From Town of Shirley, for aid rendered Walter Taylor,.....	5 50	
From City of Boston, for support of boys from the City of Charlestown, at Reform School,	189 36	
From Town of Walpole, for aid rendered Geo. Clark,	12 00	
From Town of Winchester, for aid rendered Lizzie Smith,.....	8 00	
From City of Boston, for support of boys at the Almshouse,.....	180 44	
From City of Boston, for aid rendered Mary Murphy, Thomas McDermott, Hamilton Stewart, and Richard Allen,.....	60 00	
From City of Worcester, for aid rendered W. A. Patterson,.....	104 29	
From John Ray, for support of Mary Ann Ray, at State Lunatic Asylum, (Worcester,)	29 51	
<i>Amounts carried forward,.....</i>	\$3,568 00	\$686,582 67

Amounts brought forward,..... \$3,568 00 \$686,582 67

Received on account of PAUPERS :

From Tempest Hellewell, for support of Susanah Hellewell at State Lunatic Asylum, (Worcester,).....	96 16	
From Isaac N. Fitts, for support of W. L. Fitts at State Lunatic Asylum, (Worcester,).....	47 76	
From Francis Jewett, for State aid received by him from Ellen Sullivan,.....	24 00	
From Hamilton Manufacturing Co., for one-half the expense of care of Bridget Cutter, injured by falling in the public highway,..	22 00	
From E. S. Hunt, for support of E. S. Hunt at the House of Correction,.....	6 17	
From Amos S. Brown, for support of Ruel A. Brown at the State Lunatic Asylum, (Worcester,).....	255 75	
From Framingham & Lowell Railroad Co., on account of land damages in crossing City Farm, and interest on same,.....	2,186 28	
From Elizabeth Griffin, for overdraft,.....	2 00	
From J. W. Brooks, for burial of — Leavitt,.....	2 00	
From Lorenzo Phelps, for sales from farm,...	3,091 36	
From Lorenzo Phelps, for support of Paupers at Almshouse,.....	155 68	
From appropriation for School Houses for clasps,.....	2 00	
From appropriation for Roads and Bridges, for hay and carrots,.....	345 40	
From appropriation for Fire Department, for hay and labor,.....	144 15	
	<hr/>	9,978 71

Received on account of POLICE :

From Samuel P. Hadley, Clerk of the Police Court, for services of Police Officers, witness fees, &c.,.....	6,329 43	
From C. P. Bowles, for services of Police Officers,.....	61 00	
From County of Middlesex, for rent of Police Court Rooms,.....	500 00	
From W. H. Clemence, for services of Police Officers,.....	1,070 78	
From Henry M. Thompson. (overdraft,).....	6 50	
From appropriation for Schools, for services of Police Officers,.....	100 84	
	<hr/>	8,068 55
<i>Amount carried forward</i> ,.....		<hr/> \$704,629 93

Amount brought forward,..... \$704,629 93

Received on account of FIRE DEPARTMENT:

From Lowell Gas Light Co., for labor and material,	17 00	
From Hamilton Manufacturing Co., for hydrant,	25 00	
From Boston & Lowell Railroad Co., for washing out sewer,.....	12 00	
From James Wight, for hydrants,.....	50 00	
From Wamesit Power Co., for hydrant and pipe,.....	180 71	
From A. L. Waite, for filling cistern,.....	3 00	
From George Hobson, for filling cistern, wool waste, old stove, labor, washing out sewers, and badges,	85 50	
From A. M. Griffin, for fireman's badge,.....	5 00	
From John T. Ford, for fireman's badge,.....	5 00	
From Edmund Rice, for use of engines for Lowell and Andover Railroad Co.,.....	25 00	
From Cole & Nichols, for copper and zinc,...	121 44	
From C. W. Saunders & Co., for hydrant,...	17 78	
From J. W. Bennett, for rent of land,.....	50 00	
From John W. Bassett, for water and use of hose,	5 00	
From Edwin Lovejoy, for fireman's badge,...	5 00	
From appropriation for Water Works, for labor,	825 40	
From appropriation for Sewers and Drains, for labor,	73 00	
From appropriation for School Houses, for sheathing and boards,.....	25 93	
From appropriation for Schools, for labor,...	6 00	
From appropriation for Health Account, for labor,	16 00	
	<hr/>	1,553 76

Received on account of SEWERS AND DRAINS:

From sundry persons, on account of sewer assessments, &c.,.....	11,365 60	
	<hr/>	11,365 60

Amount carried forward,..... \$717,549 29

Amount brought forward,..... \$717,549 29

Received on account of COMMONS:

From Charles A. F. Swan, for grass on North and South Commons,.....	31 00	
From appropriation for Sewers and Drains, for abatement of assessment,.....	291 64	
From City Clerk, for use of South Common for circuses,.....	426 00	
From City Clerk, for use of South Common for booths, July 4th,.....	209 00	
From L. G. Howe, for old liberty pole,.....	7 00	
From J. E. Conant, for grass on the North Common,.....	79 00	
From J. E. Conant, for grass on the South Common,.....	118 00	
From E. A. & A. T. Smith, for old fence,...	20 00	
From J. E. Conant, for grass on Park Garden,	11 00	
	<hr/>	1,192 64

Received on account of LIGHTING
STREETS AND PUBLIC BUILDINGS:

From G. E. Mitchell, for labor and material,.	12 15	
From Henry Emery, for lamp post,.....	22 14	
From L. & L. J. Richards, for lamp post,....	21 50	
From Town of Dracut, for lighting Pawtucket bridge and square one year to April 1, 1874, and for globe, &c.,.....	26 50	
From Dennis Collins, for lamp post,.....	17 00	
	<hr/>	99 29

Received on account of REPAIRS OF
PUBLIC BUILDINGS:

From Post 42, G. A. R., for broken windows,	1 00	
From L. G. Howe, for counter and old material,.....	28 75	
From Boston & Lowell Railroad Co., for one-half repairs to Huntington Hall Building,.	38 37	
From appropriation for Roads and Bridges, for lumber, and drafting board,.....	5 55	
From appropriation for Fire Department, for lumber,	46 83	
	<hr/>	120 50
<i>Amount carried forward</i> ,.....		<hr/> \$718,961 72

Amount brought forward,..... \$718,961 72

Received on account of CITY LIBRARY :

From County of Middlesex, on account of Dog Licenses, 1873,.....	2,313 36	
From Marshall H. Clough, Librarian, for sub- scriptions,	843 00	
From Marshall H. Clough, Librarian, for cata- logues,	154 00	
From Marshall H. Clough, Librarian, for sup- plements.	3 00	
From Marshall H. Clough, Librarian, for fines,	57 00	
From Marshall H. Clough, Librarian, for lost books,	15 15	
	<hr/>	3,385 51

Received on account of CITY DEBT :

From Lowell Institution for Savings, on note for twenty years, dated August 7th, 1874, with interest at six and one-half per cent. per annum, payable semi-annually,	100,000 00	
From Edward Ordway, Trustee, on note for five years, dated November 18th, 1874, with interest at six and one-half per cent. per annum, payable semi-annually,	1,500 00	
From Lowell Five Cent Savings Bank, on note for twenty years, dated November 25th, 1874, with interest at six and one- half per cent. per annum, payable semi-an- nually,	25,000 00	
	<hr/>	126,500 00

Received on account of INTEREST :

From Appleton National Bank, for interest on daily balances from July 1, 1873, to Janu- ary 1, 1874,	2,518 32	
From Appleton National Bank, for interest on daily balances from January 1, to July 1, 1874,	2,360 00	
From Boston Five Cent Savings Bank, (over- draft,)	266 67	
From Commonwealth, for interest on State Tax, paid before it was due,	385 50	
	<hr/>	5,530 49

Amount carried forward,..... \$854,377 72

Amount brought forward,..... \$854,377 72

Received on account of TEMPORARY
LOANS:

From Appleton National Bank,..... 65,000 00
65,000 00

Received on account of CORPORATION
TAX:

From Commonwealth, for taxes on Corporation
Stocks collected by the State, for 1872,.... 2,000 00
 From Commonwealth, for taxes on Corporation
Stocks collected by the State, for 1873, (in
part), 2,094 13
 From Commonwealth, for taxes on Corporation
Stocks collected by the State, for 1874,... 21,428 85
25,522 98

Received on account of DISABLED SOL-
DIERS AND SAILORS, AND THEIR
FAMILIES, AND FOR THE FAMI-
LIES OF THE SLAIN:

From Commonwealth, reimbursement State
Aid for 1864,..... 1,608 33
 From Commonwealth, reimbursement State
Aid for 1865,..... 373 25
 From Timothy Cotter, (overdraft),..... 91 23
 From Commonwealth, reimbursement State
Aid,..... 16,000 00
 From M. Huntley, (overdraft),..... 12 00
18,084 81

Received on account of WATER WORKS:

For use of water and service pipe,..... 74,507 43
 From Lucian H. Reed, for one \$1,000 City
of Lowell Water Loan Bond, numbered
"1326," 1,000 00
 From Lucian H. Reed, for accrued interest on
the above bond,..... 11 17
 From Levi Sprague, for hay and coal,..... 46 08
 From N. Holmes, for rent,..... 296 00
 From Wamesit Power Co., for labor and mate-
rial,..... 253 94
\$76,114 62 \$962,985 51

Amounts carried forward,.....

Amounts brought forward,.....\$76,114 62 \$962,985 51

Received on account of WATER WORKS:

From William Shepard, for 135 \$1.000 City of Lowell Water Loan Bonds, numbered from "1327" to "1461" inclusive,.....	135,000 00	
From William Shepard, for accrued interest on above bonds,.....	2,513 48	
From E. B. Herrick, for two sleeves,.....	18 48	
From Lowell Hosiery Co., for labor and material,	65 94	
From Wm. Walker & Co., for labor and material	250 07	
From T. R. Garrity & Co , for labor.....	3 31	
From J. B. Francis, for horse shoeing,.....	15 85	
From Proprietors of Locks and Canals on Merrimack River, for horse shoeing and flush hydrant,.....	101 65	
From appropriation for Fire Department, for labor and material,.....	86 35	
From appropriation for Schools, for poker and labor,.....	7 75	
From appropriation for School Houses, for labor and material,.....	44 80	
From appropriation for Sewers and Drains, for abatement of assessment, labor, &c.....	130 75	
From appropriation for Commons, for labor,..	71 00	
From F. H. Spaulding, for blacksmithing,...	88 00	
From Charles Belcher, for abatement of sewer assessment paid by appropriation for water works,	12 29	
From Martha J. Hawes, for abatement of sewer assessment, paid by appropriation for water works,.....	6 32	
From Rebecca Hill, for abatement of sewer assessment, paid by appropriation for water works,.....	7 62	
From Silas C. Wilcox, for abatement of sewer assessment, paid by appropriation for water works,.....	8 94	
From City of Lowell Water Loan Sinking Fund, for one \$1,000 City of Lowell Water Loan Bond, numbered "1462,".....	1,000 00	
From William Shepard, for six \$1,000 City of Lowell Water Loan Bonds, numbered from "1463" to "1468" inclusive,.....	6,000 00	
From William Shepard, for accrued interest on above bonds,.....	14 66	

Amounts carried forward,.....\$221,561 88 \$962,985 51

Amounts brought forward,.....\$221,561 88 \$962,985 51

Received on account of WATER WORKS :

From J. Y. Prescott, for blacksmithing,.....	15 05
From G. T. Williams, for seven \$1,000 City of Lowell Water Loan Bonds, numbered from "1469" to "1475" inclusive,.....	7,000 00
From G. T. Williams, for accrued interest on above bonds,.....	40 83
From Frederick Bailey, for three \$1,000 City of Lowell Water Loan Bonds, numbered from "1476" to "1478" inclusive,.....	3,000 00
From Frederick Bailey, for accrued interest on above bonds,.....	18 50
From City of Manchester, for pipe,.....	24 67
From B. Crowley, for overdraft,.....	150 00
From W. C. Crosby, for labor,.....	4 45
From Weld Spaulding, for one \$1,000 City of Lowell Water Loan Bond, numbered "1479,".....	1,000 00
From Weld Spaulding, for accrued interest on above bond,.....	8 50
From G. T. Williams, for one \$1,000 City of Lowell Water Loan Bond, numbered "1480,".....	1,000 00
From G. T. Williams, for accrued interest on above bond,.....	8 83
From G. W. Walker, for blacksmithing,.....	5 95
From William Shepard, for 19 \$1,000 City of Lowell Water Loan Bonds, numbered from "1481" to "1499" inclusive,.....	19,000 00
From William Shepard, for accrued interest on above bonds,.....	242 83
From Pevey Bros., for old iron,.....	309 42
From L. Kittredge & Son, for blacksmithing,	7 55
From N. T. Staples & Sons, for blacksmithing,	29 24
From A. Batchelder & Co., for blacksmithing,	49 70
From A. S. Brown, for bellows,.....	10 00
From U. S. Bunting Co., for labor and material,	67 13
From James Harper, for one \$1,000 City of Lowell Water Loan Bond, numbered "1500,".....	1,000 00
From James Harper, for accrued interest on above bond,.....	19 50
From C. W. Saunders & Co., for labor,.....	340 95
From Park & Ellenwood, for tools,.....	14 00
From C. J. Cheney, for horseshoeing,.....	6 15

Amounts carried forward,.....\$254,935 13 \$962,985 51

Amounts brought forward,.....\$254,935 13 \$962,985 51

Received on account of WATER WORKS:

From Merrimack Manufacturing Co., for pipe,	60 21	
From W. F. Salmon, for pipe,.....	14 76	
From F. E. French, for blacksmithing,.....	43 75	
From C. H. Hanson, for horseshoeing,.....	8 60	
From City Institution for Savings, for the term of twenty years on the City's note, dated October 14, 1874, bearing interest at the rate of six and one-half per cent. per annum, payable semi-annually,.....	50,000 00	
From Halladay & Vreeland, for powder,.....	1 79	
From W. H. Wiggin, for labor,.....	30	
From Lowell Institution for Savings, for the term of twenty years on the City's note, dated November 12, 1874, bearing interest at the rate of six and one-half per cent. per annum, payable semi annually,.....	100,000 00	
From Henry G. Morris, for amount withheld on his bill,.....	100 00	
From Lowell Bleachery Co., for labor,.....	159 11	
From fees for shutting off and letting on water,	302 00	
		405,625 65

Received on account of NATIONAL
BANK TAX:

From Commonwealth, for National Bank Tax,	5,181 64	
		5,181 64
		<u>\$1,373,792 80</u>

EXPENDITURES.

The amount expended and ordered to be paid
from the Treasury, from December 31st,
1873, to December 31st, 1874, was..... \$1,176,699 55

These expenditures are chargeable to the fol-
lowing Appropriations or Accounts, viz:...

To Schools,.....	123,355 54
School Houses.....	9,501 42

Amount carried forward,..... \$132,856 96

<i>Amount brought forward</i> ,.....		\$132,856 96	
To *Roads and Bridges,.....	153,260 24		
Reserved Fund,.....	11,389 84		
Paupers,.....	25,429 00		
Police,.....	52,315 38		
Fire Department,.....	46,592 17		
Sewers and Drains,.....	101,831 80		
Commons,.....	6,051 84		
Printing and Advertising,.....	3,352 09		
Lighting Streets and Public Buildings,....	20,699 33		
Repairs of Public Buildings,.....	15,348 59		
City Library,.....	4,546 61		
Salaries,.....	19,242 78		
City Debt,.....	126,500 00		
Interest on City Debt,.....	30,803 33		
			750,219 96
To Temporary Loan,.....	65,000 00		
			65,000 00
To Disabled Soldiers, Sailors, and their Families, &c.,.....	14,772 66		
			14,772 66
To Water Works,.....	233,370 63		
			233,370 63
To Health Account,.....	1,954 99		
			1,954 99
To the above, add the amount paid State Tax for 1874,.....	38,580 00		
			38,580 00
To the above, add the amount paid County Tax for 1874,.....	26,400 11		
			26,400 11
To the above, add the amount paid Commonwealth, National Bank Tax for 1874,.....	21,401 20		
			21,401 20
To the above, add the amount appropriated for Sinking Fund, which is invested for interest for the Reduction of the Lowell Water Loan Debt,.....	25,000 00		
			25,000 00
Making the whole amount of expenditures for the year 1874,...			<u>\$1,176,699 55</u>

*For actual Expenditure for Roads and Bridges, see Expenditures for Roads and Bridges in detail.

The whole amount of receipts was.....\$1,373,792 80

The whole amount of expenditures,.....1,176,699 55

Excess of receipts over expenditures,.....\$197,093 25

The balance in the Treasury, January 1st,
1874, was.....\$134,972 85

The whole amount received into the Treasury
in 1874, was.....1,373,792 80

Making a total of.....\$1,508,765 65

The amount actually paid from the Treasury
for all purposes, for the year ending Decem-
ber 31, 1874, was.....1,160,423 00

\$348,342 65

The balance in the Treasury as above, is.....\$348,342 65

There remains unpaid the Draft for December,
1874, amounting to.....66,719 92

66,719 92

Making the actual balance in the Treasury,
January 1st, 1875,.....\$281,622 73

The amount of the City Debt, December 31st,
1873, was.....\$1,937,500 00

There has been paid during the year on two
notes, each for Fifty Thousand Dollars,
which became due August 9th, and August
13th, 1874, to the Boston Five Cents
Savings Bank,.....100,000 00

\$1,837,500 00

There has been negotiated with the Lowell
Institution for Savings, during the year, a
loan of One Hundred Thousand Dollars on
the City's note for twenty years, dated
August 7th, 1874, bearing interest at the
rate of six and one-half per cent. per annum,
payable semi-annually,.....100,000 00

Amounts carried forward,.....\$100,000 00 \$1,837,500 00

Amounts brought forward.....\$100,000 00 \$1,837,500 00

There has been negotiated with the City Institution for Savings, during the year, a loan of Fifty Thousand Dollars on the City's note for twenty years, dated October 14, 1874, bearing interest at the rate of six and one-half per cent. per annum, payable semi-annually, (for construction of Water Works,)..... 50,000 00

There has been negotiated with the Lowell Institution for Savings, during the year, a loan of One Hundred Thousand Dollars on the City's note for twenty years, dated November 12th, 1874, bearing interest at the rate of six and one-half per cent. per annum, payable semi-annually, (for construction of Water Works,)..... 100,000 00

There has been negotiated with Edward Ordway, Trustee, during the year, a loan of One Thousand Five Hundred Dollars on the City's note for five years, dated November 18th, 1874, bearing interest at the rate of six and one-half per cent. per annum, payable semi-annually, (on account of the annexation of a portion of Chelmsford to the City of Lowell,)..... 1,500 00

There has been negotiated with the Lowell Five Cent Savings Bank, during the year, a loan of Twenty-five Thousand Dollars on the City's note for twenty years, dated November 25th, 1874, bearing interest at the rate of six and one-half per cent. per annum, payable semi-annually, (on account of annexation of a portion of Dracut to the City of Lowell,)..... 25,000 00

There has been sold during the year \$175,000 of the City of Lowell Water Loan Bonds, numbered from "1326" to "1500" inclusive, payable November 1, 1890, bearing interest at the rate of six per cent. per annum, payable semi-annually,..... 175,000 00

451,500 00

Total amount of the City's Debt, December 31, 1874,.....

\$2,289,000 00

Of the above amount, \$539,000 00 belongs to the ordinary City Debt,	\$539,000 00
The total amount of the debt of the City to December 31st, 1874, for the construction of the Water Works is,	1,750,000 00
<hr/>	
Making a total of the City Debt, December 31st, 1874,	\$2,289,000 00
<hr/> <hr/>	

All of which is respectfully submitted.

DAVID CHASE,

Auditor of Accounts.

APPROPRIATIONS AND EXPENDITURES.

THE AMOUNT OF THE SEVERAL APPROPRIATIONS MADE BY THE CITY COUNCIL DURING THE YEAR 1874—THE TRANSFERS FROM ONE APPROPRIATION TO ANOTHER—THE UNEXPENDED BALANCES OF THE PREVIOUS YEAR—THE AMOUNT RECEIVED INTO THE TREASURY FROM OTHER SOURCES THAN TAXES, AND THE EXPENDITURES IN DETAIL UNDER EACH APPROPRIATION, AND THE UNDRAWN BALANCES; ALSO THE AMOUNT OF CITY DEBT—DEBTS DUE THE CITY—SCHEDULES OF REAL AND PERSONAL PROPERTY, &c.

SCHOOLS.

Balance undrawn January 1st, 1874,.....	\$11,079 96	
Appropriated and assessed in 1874,.....	125,000 00	
	<u> </u>	\$136,079 96

RECEIVED INTO THE TREASURY.

Received of Commonwealth, being the City's proportion of the School Fund to January 1st, 1874,.....	1,259 93	
	<u> </u>	1,259 93
From George S. Butters,.....	32 94	
Nellie P. Butters,.....	16 47	
Harriet V. Ames,.....	60 00	
	<u> </u>	
<i>Amounts carried forward,.....</i>	\$109 41	\$137,339 89

EXPENDITURES.

Paid for INSTRUCTION :

HIGH SCHOOL.

To Charles C. Chase, Principal,.....	\$2,500 00	
Edwin H. Lord,.....	1,820 00	
James S. Russell,.....	1,700 00	
Ch. de Frondat,.....	400 00	
Frank T. Benner,.....	680 00	
Mary A Webster,.....	750 00	
Marietta Melvin,.....	750 00	
Elizabeth McDaniels,.....	750 00	
Harriet C. Hovey,,.....	750 00	
Charlotte E. Draper,.....	746 50	
Alice J. Chase,.....	3 50	
		<hr/>
		10,850 00

BARTLETT SCHOOL.

To Samuel Bement, Principal,.....	1,700 00	
Marianne B Kent,.....	600 00	
Mary E. Pike,.....	600 00	
Cemantha R. Nichols,.....	600 00	
M. Ida Howe,.....	470 00	
Edith A Gove,.....	113 75	
Sophia P. Wetherbee,.....	600 00	
Caroline E. Holt,.....	600 00	
Mary C. Gardner,.....	350 00	
Abby E. French,.....	96 25	
Lucy J. Garrett,.....	43 75	
		<hr/>
		5,773 75

COLBURN SCHOOL.

To Perley Balch, Principal,.....	1,020 00	
Albert L. Bacheller, Principal,.....	680 00	
Elizabeth W. Frost,.....	600 00	
Susan M. Andrews,.....	600 00	
Sarah J. Crosby,.....	447 00	
Emma C. Sawyer,.....	600 00	
Arvilla L. Reader,.....	595 00	
Emma J. Choate,.....	5 00	
Edith A. Gove,.....	68 00	
Maria W. Roberts,.....	18 00	
		<hr/>
		4,633 00
<i>Amount carried forward,.....</i>		<hr/>
		\$21,256 75

Amount brought forward,..... \$21,256 75

Paid for INSTRUCTION :

EDSON SCHOOL.

To Calvin W. Burbank, Principal,.....	1,700 00	
Mary E. Stone,.....	241 97	
Helen A. Bowers,.....	320 00	
Maria C. R. Swan,.....	596 00	
Emma A. Sargent,.....	484 79	
Mary F. Carlton,.....	600 00	
Fannie A. Scripture,.....	391 67	
Mary A. Balch,.....	600 00	
Olive W. Beane,.....	600 00	
Nellie M. Kohawn,.....	16 25	
Frances E. Morrill,.....	95 25	
Harriet A. Johnson,.....	1 50	
Sarah J. Gilman,.....	16 00	
Cora V. Barnard,.....	2 50	
		<hr/>
		5,665 93

FRANKLIN SCHOOL.

To Stephen G. Bailey, Principal,.....	1,020 00	
Perley Balch, Principal,.....	680 00	
Sarah E. French,.....	600 00	
Abbie F. Woodward,.....	600 00	
Luella A. Wardwell,.....	600 00	
Fannie M. Clark,.....	141 97	
Emma L. Crosby,.....	358 77	
		<hr/>
		4,000 74

GREEN SCHOOL.

To George F. Lawton, Principal,.....	1,020 00	
Albert L. Fiske, Principal,.....	680 00	
Ida A. Hill,.....	600 00	
Anna E. Richardson,.....	590 00	
Nettie E. Carleton,.....	600 00	
Ida Sheldon,.....	540 00	
Ellen S. Burrill,.....	600 00	
Emma L. Pevey,.....	600 00	
Anna M. Coolidge,.....	96 75	
Annie C. Howe,.....	269 25	
Ruth B. Bailey,.....	366 95	
Emily A. Howe,.....	78 75	
Ellen C. Frye,.....	10 00	
		<hr/>
		6,051 70

Amount carried forward,..... \$36,975 12

Amount brought forward,..... \$36,975 12

Paid for INSTRUCTION :

MANN SCHOOL.

To Nellie M. Gallagher, Principal,.....	880 00	
Frances M. Webster,.....	420 00	
Laura F. Howe,.....	600 00	
Celestia P. Chase,.....	600 00	
Julia M. Healey,.....	600 00	
	<hr/>	3,100 00

MOODY SCHOOL.

To Joseph Peabody, Principal,.....	1,675 50	
S. Lizzie Dean,.....	360 00	
Mary E. Hardman,.....	600 00	
Helen A. Haggett,.....	600 00	
Laura J. Pindar,.....	600 00	
Sarah E. Bailey,.....	600 00	
Mary E. Way,	600 00	
Cora V. Barnard,.....	117 75	
Frances E. Hardman,.....	420 00	
Frances E. Garritty,.....	103 75	
	<hr/>	5,677 00

SHERMAN SCHOOL.

To Cornelia Davis,.....	820 00	
	<hr/>	820 00

VARNUM SCHOOL.

To Daniel P. Galloupe, Principal,.....	1,700 00	
Georgianna F. Vinton,.....	458 00	
Harriet Bradley,.....	600 00	
Sarah F. Dillingham,.....	600 00	
Sarah A. Bradley,.....	414 61	
Clara A. Hannaford,.....	585 00	
Maria W. Roberts,.....	126 00	
Nellie M. Brown,.....	15 00	
	<hr/>	4,498 61

TEACHER OF PENMANSHIP AND DRAWING.

To Bertram Harrison,.....	1,500 00	
	<hr/>	1,500 00

Amount carried forward,..... \$52,570 73

Amount brought forward,..... \$52,570 73

Paid for INSTRUCTION :

TEACHER OF VOCAL MUSIC.

To George F. Willey,..... 1,622 46
1,622 46

PRIMARY SCHOOLS.

No. 2.—To Annie S. Harlow,.....	420 00	420 00
No. 3.—To Abbie G. Watson,.....	600 00	
Nellie Kohawn,.....	70 00	
	<u>670 00</u>	670 00
No. 4.—To Lucy F. Carleton,.....	600 00	600 00
No. 5.—To Elizabeth A. Stearns,.....	600 00	600 00
No. 6.—To Anna F. Peabody,.....	470 00	470 00
No. 7.—To Mary J. Rice,.....	600 00	600 00
No. 8.—To Martha A. Franklin,.....	600 00	600 00
No. 9.—To Martha S. Williams,.....	600 00	600 00
No. 10.—To Martha A. Neal,.....	600 00	600 00
No. 11.—To Isabella V. McAnulty,.....	582 00	
Sarah E. Stevenson,.....	18 00	
	<u>600 00</u>	600 00
No. 12.—To Eliza Merriam,.....	600 00	600 00
No. 13.—To Cornelia M. Davis,.....	520 50	
Viola A. Hamblett,.....	19 50	
	<u>540 00</u>	540 00
No. 14.—To S. Augusta Haggett,.....	600 00	600 00
No. 15.—To Abbie R. Worthley,	600 00	600 00
No. 16.—To Marietta Hill,.....	600 00	600 00
No. 17.—To Sarah C. Fiske,.....	600 00	600 00
No. 18.—To Eliza Cowley,.....	600 00	600 00

Amount carried forward,..... \$64,093 19

Amount brought forward,..... \$64,093 19

Paid for INSTRUCTION:

No. 19.—To Lizzie N. Smith,.....	519 00	
Emma J. Daggett,.....	16 00	
Nellie Kohawn,.....	2 00	
Minnie F. Wing,.....	3 00	
	<hr/>	540 00
No. 20.—To Susie J. Perkins,.....	530 00	
	<hr/>	530 00
No. 21.—To Nellie F. Baker,.....	470 00	
	<hr/>	470 00
No. 22.—To Ella E. Gardner,.....	420 00	
Frances E. Morrill,.....	20 00	
May C. Hyde,.....	41 00	
	<hr/>	481 00
No. 23.—To Alice M. Healey,.....	420 00	
	<hr/>	420 00
No. 24.—To Ellen A. Bridge,.....	600 00	
	<hr/>	600 00
No. 25.—To Aurelia L. Howe,.....	600 00	
	<hr/>	600 00
No. 26.—To Charlotte E. Brown,.....	600 00	
	<hr/>	600 00
No. 27.—To Mary E. Drew,.....	600 00	
	<hr/>	600 00
No. 28.—To Emily M. Warren,.....	600 00	
	<hr/>	600 00
No. 29.—To Jennie F. Woodward,.....	534 00	
Nellie M. Brown,.....	6 00	
	<hr/>	540 00
No. 30.—To Alice L. Frye,.....	470 00	
	<hr/>	470 00
No. 31.—To Elizabeth A. Balch,.....	420 00	
	<hr/>	420 00
No. 32.—To Ellen F. Coughlin,....	600 00	
	<hr/>	600 00
No. 33.—To Amanda M. Hadley,.....	423 46	
Belle T. Vinall,.....	7 00	
Mary E. Stone,.....	81 25	
Emma J. Choate,.....	21 00	
	<hr/>	532 71
No. 34.—To Lizzie S. Lowe,.....	519 00	
Viola A. Hamblett,.....	48 00	
	<hr/>	567 00
<i>Amount carried forward</i> ,.....		<hr/> \$72,663 90

<i>Amount brought forward</i> ,.....		\$72,663 90
Paid for INSTRUCTION :		
No. 35.—To Clara A. Emerson,.....	600 00	
Agnes I. Meldrum,.....	67 00	
	<u>667 00</u>	667 00
No. 36.—To Mary A. Beard,.....	600 00	
	<u>600 00</u>	600 00
No. 37.—To Lucretia A. Day,.....	543 18	
Clementine H. Bowers,.....	32 00	
	<u>575 18</u>	575 18
No. 38.—To Mary O. Kidder,.....	600 00	
	<u>600 00</u>	600 00
No. 39.—To Abby L. Sargent,.....	420 00	
	<u>420 00</u>	420 00
No. 40.—To Sarah E. Scales,.....	600 00	
	<u>600 00</u>	600 00
No. 41.—To Lilla J. Greenhalge,.....	540 00	
	<u>540 00</u>	540 00
No. 42.—To Lizzie M. Hadley,.....	600 00	
	<u>600 00</u>	600 00
No. 43.—To Nellie M. Brown,.....	600 00	
	<u>600 00</u>	600 00
No. 44.—To Mary L. Hill,.....	600 00	
	<u>600 00</u>	600 00
No. 45.—To Ellen M. White,.....	600 00	
	<u>600 00</u>	600 00
No. 46.—To Ella A. Bailey,.....	600 00	
	<u>600 00</u>	600 00
No. 47.—To Miranda W. Bradley,.....	600 00	
	<u>600 00</u>	600 00
No. 48.—To Marion A. Scott,.....	600 00	
	<u>600 00</u>	600 00
No. 49.—To Marcella M. Patten,.....	600 00	
	<u>600 00</u>	600 00
No. 50.—To Julia Leighton,.....	270 00	
Clementine H. Bowers,.....	89 00	
	<u>359 00</u>	359 00
No. 51.—To Mary J. Alger,.....	600 00	
	<u>600 00</u>	600 00
No. 52.—To Maria Mansur,.....	600 00	
	<u>600 00</u>	600 00
No. 53.—To Sarah L. Gates,.....	600 00	
	<u>600 00</u>	600 00
No. 54.—To Abby D. Gates,.....	600 00	
	<u>600 00</u>	600 00
No. 55.—To Ella S. Stanwood,.....	536 82	
	<u>536 82</u>	536 82
<i>Amount carried forward</i> ,.....		\$84,761 90

Amount brought forward,..... \$84,761 90

Paid for INSTRUCTION :

No. 56.—To Laura E. Lee,.....	307 16	
Ellen A. Stillings,.....	40 00	
Emma J. Choate,.....	37 00	
	<hr/>	384 16
No. 57.—To Belle T. Vinall,.....	312 50	
	<hr/>	312 50
Pawtucketville.—To Agnes J. Graves,.....	180 00	
	<hr/>	180 00
Varnum Street.—To Laura J. Gould,.....	200 00	
	<hr/>	200 00
Middlesex Village.—To Jennie M. Nesmith,..	231 50	
	<hr/>	231 50
		<hr/>
		86,070 06

Paid SUPERINTENDENT OF PUBLIC
SCHOOLS and SECRETARY OF THE
BOARD OF SCHOOL COMMITTEE :

To Charles Morrill, Superintendent,.....	2,300 00	
Charles Morrill, Secretary,.....	200 00	
	<hr/>	2,500 00

Paid for BOOKS and STATIONERY, and
for BOOKS, etc., for CHILDREN OF
INDIGENT PARENTS :

To F. P. Coggeshall,.....	3,742 92	
Joshua Merrill & Son,.....	152 52	
Bacheller, Dumas & Co.,.....	40 50	
Ginn Bros.,.....	596 68	
J. L. Hammett,.....	21 00	
A. Whitney,.....	8 75	
Brewer & Tileston,.....	18 00	
Parmenter & Walker, (crayons,).....	52 50	
Boston & Lowell and Nashua & Lowell Railroad, freight on crayons,.....	1 32	
Henry C. Church,.....	5 66	
Asher & Adams, Atlas and Gazeteer of the United States,.....	22 50	
J. R. Osgood & Co.,.....	60 00	
W. W. Parker, Adams' Synchronological Chart of Universal History,.....	15 00	
W. B. Stickney, ten copies Johnson's Natu- ral History,.....	115 50	
	<hr/>	4,852 85
<i>Amount carried forward</i> ,.....		<hr/>
		\$93,422 91

Amount brought forward,..... \$93,422 91

Paid for PRINTING AND ADVERTISING:

To Stone, Huse & Co, for printing 3,500 copies School Committee's Report of 1873,..	388 13	
Bacheller, Dumas & Co., for binding 3,500 copies School Committee's Report of 1873,	49 00	
Stone, Huse & Co., for printing and advertising,	106 75	
Bacheller, Dumas & Co, for printing and binding,	19 48	
Marden & Rowell, for printing and advertising,	123 85	
Knapp & Morey, for printing and advertising,	135 38	
Hunt Bros., for printing and advertising,..	12 00	
Rrown & Chase, for printing,	125 00	
W. S. Simons, posting bills and distributing 3,000 School Reports,	28 00	
		<hr/>
		987 59

Paid for EVENING SCHOOLS for INSTRUCTION:

To Gertrude Sheldon,	78 75	
Anna F. Anderson,	29 00	
Emma Miller,	29 00	
May Bement,	58 00	
Bertha Greenhalge,	33 00	
Frances E. Morrill,	34 00	
Almeria L. Boynton,	33 00	
Sarah W. Page,	30 00	
Josephine Sheldon,	63 00	
H. Minnie Robbins,	78 75	
Mattie Worcester,	63 00	
Josephine A. Paulint,	60 00	
May C. Hyde,	47 00	
M. Abby Morrison,	60 00	
Lilla M. Plaisted,	63 00	
Ellen A. Stillings,	49 00	
Kate A. Hill,	78 75	
Sarah E. Stevenson,	34 00	
M. Ella Russell,	61 00	
Imogene F. Thomas,	63 00	
Lizzie H. Green,	5 00	
Agnes I. Meldrum,	50 00	
		<hr/>
<i>Amounts carried forward</i> ,	\$1,100 25	<hr/> \$94,410 50

Amounts brought forward,..... \$1,100 25 \$94,410 50

Paid for EVENING SCHOOLS, for IN-
STRUCTION:

To Ella M. Plumado,.....	26 00
Belle Prescott,.....	21 00
Lucy J. Garrett,.....	56 00
Ida T. Hardy,.....	24 00
Nellie M. Gates,.....	29 00
Anna Kohawn,.....	24 00
Hattie F. Brown,.....	13 00
Marion J. Stevenson,.....	13 00
Georgie Eaton,.....	16 00
Frances Horne,.....	38 00
Mary E. Stone,.....	34 00
Sarah J. Gilman,.....	71 25
Abby Gilman,.....	32 00
Belle T. Vinall,.....	33 00
Grace L. Sargent,.....	59 00
Delia F. Brady,.....	33 00
Abby A. Puffer,.....	63 00
Grace H. Puffer,.....	24 00
Flora Horne,.....	24 00
Sarah K. Hobson,.....	37 25
Clara Howard,.....	63 00
Dora A. Collins,.....	63 00
Martha A. Paul,.....	33 00
W. B. Perkins,.....	20 00
Fannie M. Talbot,.....	34 50
Hattie H. Eaton,.....	30 00
Minnie F. Wing,.....	30 00
Dora P. Smiley,.....	30 00
Helen F. Collins,.....	30 00
Maria L. Trask,.....	25 00
Alice T. Lee,.....	30 00
Nellie Kohawn,.....	28 00
Lilla M. Dowling,.....	30 00
Ella M. Flint,.....	27 00
Helen A. Dodge,.....	29 00
Hannah G. Crosby,.....	78 75
Emma J. Fuller,.....	63 00
Ella J. Wright,.....	46 00
Clementine H. Bowers,.....	26 00
Mrs. J. B. Bradt,.....	77 50
Anna C. Way,.....	57 00
Mary P. White,.....	34 00
Hattie M. Carle,.....	57 00

Amounts carried forward,..... \$2,712 50 \$94,410 50

<i>Amounts brought forward</i>		\$2,712 50	\$94,410 50
Paid for EVENING SCHOOLS, for IN- STRUCTION :			
To Nellie M. Jones,.....	62 00		
Annie C. Robinson,.....	14 00		
Nellie M. Tucker,.....	61 00		
Ida B. Cheney,.....	28 00		
Nellie Googin,.....	28 00		
Annie M. Coolidge,.....	25 00		
Isabel A. Merriam,.....	25 00		
Ida M. Wilson,.....	77 50		
Maria W. Roberts,.....	61 00		
Stella J. Allen,.....	62 00		
Helen H. Boardman,.....	50 00		
Annie C. Howe,.....	45 00		
Jennie H. Read,.....	62 00		
Amy Baker,.....	12 00		
Adelaide Baker,.....	16 00		
Nellie M. Brown,.....	27 00		
Ella A. Howe,.....	27 00		
Helen M. Wright,.....	56 00		
Isabella Coburn,.....	18 00		
			3,469 00
Paid for DRAWING SCHOOLS, for IN- STRUCTION :			
To Channing Whitaker, seventy-three even- ings,.....	730 00		
Channing Whitaker, for assistants,.....	849 60		
Channing Whitaker, for diagrams,.....	565 25		
Bertram Harrison,.....	666 66		
Bertram Harrison, for picture frames, draw- ing copies, plates, cards, books of orna- mental lettering, &c.,.....	116 78		
			2,928 29
Paid for SUNDRIES for EVENING and DRAWING SCHOOLS :			
To Knapp & Morey, for printing, &c ,.....	9 00		
Brown & Chase, for printing,.....	15 00		
Estate of B. H. Penhallow, for printing,...	4 00		
Hunt Bros., for printing and advertising,..	14 00		
Marden & Rowell, for printing and adver- tising,.....	18 50		
<i>Amounts carried forward</i> ,.....	\$60 50	\$100,807 79	

<i>Amounts brought forward,</i>	\$60 50	\$100,807 79
Paid for SUNDRIES for EVENING and DRAWING SCHOOLS:		
To Stone, Huse & Co., for printing and adver- tising,	18 50	
W. S. Simons, for posting bills,	6 00	
Lowell Gas Light Co., for gas,	383 35	
French & Puffer, for lamps,	5 00	
C. B. Coburn & Co., for oil and wicks,	1 30	
Joshua Merrill & Son, for books, &c.,	225 62	
John Morrison, for rent of Mission Chapel, and for coal and wood,	25 00	
Zion Primitive Methodist Church, for rent of vestry, services of janitor, fuel and light,	250 00	
John Biggs, for services as janitor,	36 00	
A. B. Carle, for services as janitor,	47 25	
James Cunningham, for services as janitor,	17 00	
James H. Hoyt, for services as janitor,	47 25	
L. P. Little, for services as janitor,	63 00	
William Marks, for services as janitor,	16 00	
L. H. Quimby, for services as janitor, &c.,	134 25	
Wiatt Stevens, for services as janitor,	10 50	
Henry Farrington, for services as police officer,	37 33	
Appropriation for Police, for services of police officers,	165 92	
James Leach, for teaming,	2 25	
William Roberts, for teaming,	1 50	
Appropriation for Fire Department, for labor,	6 00	
Appropriation for School Houses, for lumber, nails, &c.,	9 25	
		1,568 77

Paid for SUNDRIES:

To Bickford Lang, for services as Truant Officer,	1,000 00	
Jesse Huse, for services as Truant Officer, . .	1,000 00	
Reserved Fund, for expense of heating High School Building,	500 00	
Appropriation for Roads and Bridges, for labor, fuel, &c	5,695 69	
Appropriation for School Houses, for black- boards and varnish,	83 10	
<i>Amounts carried forward,</i>	\$8,278 79	\$102,376 56

Amounts brought forward,..... \$8,278 79 \$102,376 56

Paid for SUNDRIES :

To Appropriation for Water Works, for labor, use of water, &c.,.....	577 75
H. R. Barker & Co., for steam, gas and water fixtures, labor, &c.,.....	388 35
J. W. Proctor, for steam and gas fixtures, labor, &c.,.....	202 69
H. H. Wilder & Co., for pipe, solder, labor, &c.,.....	7 56
T. Costello & Co., for registers, repairing stoves, &c.,.....	25 85
E. M. Carroll & Son, for stove pipe,.....	4 00
Sam'l Beck, for stove pipe, chain, hooks, &c.,	14 51
E. B. Aldrich, for furnace, stove, pipe, &c.,	324 88
J. A. McLarney & Co., for stove pipe, labor, &c.,.....	16 01
S. G. Mack & Co., for furnace, pipe, regis- ters zinc, cups, repairs, &c ,.....	448 03
J. W. Nash & Co , for repairing stoves,	40 98
N. J. Wier & Co , for stove, grate, labor, repairs, teaming, &c.,.....	102 68
W. A. Bacon, for repairing stoves,.....	12 80
Sager Ashworth for re-cutting files,.....	6 23
A. H. & J. H. Abbott, for iron work,.....	5 05
John Butcher, for iron,.....	6 75
Shapley Morgan, for labor on boilers, tubes, &c.....	57 23
Lowell Boiler and Steam Press Plate Works, for labor on boiler,.....	56 35
J. W. Trumbull, for keys,.....	1 75
Estate of William Dobbins, for labor on boilers, &c ,.....	112 73
Cole & Nichols, for castings,.....	129 82
Hildreth & Rice, for coal sifter,.....	2 00
George Thatcher, for repairing clocks, bells, &c., and for new clocks,.....	108 00
Charles E. Adams, for hardware,.....	12 22
Fielding & Bartlett, for hardware,.....	31 47
Jacob Rogers & Co., for hardware,.....	129 38
Horace B. Shattuck, for hardware,.....	23 71
Dover Stamping Co., for pump ladles,.....	5 00
Asahel Davis, for labor on desks,.....	10 00
A. L. Brooks & Co., for lumber and mould- ings,.....	48 97
Howes & Burnham, for lumber,.....	130 93

Amounts carried forward,..... \$11,322 47 \$102,376 56

Amounts brought forward,..... \$11,322 47 \$102,376 56

Paid for SUNDRIES :

To M. C. Pratt & Co., for lumber, mouldings, labor, &c.,.....	149 46
William Kelley, for sash,.....	1 00
Crosby Furniture Co., for drawer pulls and labor on desk tops,.....	9 15
William Kittredge, for coal,.....	16 28
W. E. Livingston, for coal,.....	11 00
Russell & Cheney, for matches,.....	5 50
Adams & Co., for chairs, mats, dusters, &c.,	184 87
Benner Bros., for carpet, chairs, dusters, &c.,	123 58
Alfred Barney, for pails and baskets,.....	14 25
F. & E. Bailey & Co., for thermometers,,...	13 00
Carleton & Hovey, for materials used in making philosophical experiments, (High School,).....	15 44
C. I. Hood & Co., for materials used in making philosophical experiments, (High School,).....	6 54
E. H. Lord, for one platinum battery,.....	215 00
Thomas Hall, for electric light lantern and carbons,	147 00
J. L. Hammett, for globe and astronomical lantern,.....	21 00
E. S. Ritchie & Sons, for philosophical ap- paratus,.....	156 14
J. V. Meigs, for desks and seats,.....	307 80
C. B. Coburn & Co., for brushes, sperm oil, fire brick, feather dusters, mop handles, lanterns, rubber tube, lamp black, umber, emery, asphaltum, alcohol, shellac, &c.,...	307 05
Jonathan Kendall, for sperm oil, asphaltum, shellac, glue and alcohol,.....	18 50
Henry C. Church, for mop waste, and ma- nilla paper,.....	12 29
Fisk & Spaulding, for linen cord, paper and glass,.....	41 10
Frost & Howard, for brooms,.....	39 00
Keyes & Wightman, for cambric and making covers,.....	6 30
Folsom & Tucker, for cambric,.....	75
D. Crowley, for ribbon for diplomas,.....	7 05
B. Harrison, for filling in diplomas for High School, for "Collings' Art Foliage," and cash paid expenses attending Art Exhibitions in Boston and Lowell,.....	34 65

Amounts carried forward,..... \$13,186 17 \$102,376 56

Amounts brought forward,.....\$13,186 17 \$102,376 56

Paid for SUNDRIES :

To Channing Whitaker, for cash expended in preparing for Drawing Exhibitions in Boston and Lowell,.....	167 59
W. A. Owen, for music furnished at school exhibition,.....	50 00
Irvin A. Foote, for tuning and repairing pianos,.....	41 50
C. W. Rugg, for bow and resin,.....	5 50
Estate of C. W. Rugg, for piano covers and moving piano,.....	33 00
Charles Morrill, for stamps,.....	6 00
A. Sanborn & Co., for six "Carney Medals,"	12 00
G. T. Williams, for Scientific American, American Naturalist and American Chemist,.....	13 00
E. O. Blake, for gas burners,.....	18 50
Lowell Gas Light Co., for gas and connection with meter,.....	10 96
G. W. Norris, for carriages,.....	12 00
George F. Willey, for use of horse and carriage,.....	80 00
C. H. Fletcher, for use of horse and carriage for teacher of music,.....	40 00
James Leach, for teaming,.....	3 75
William Roberts, for teaming,.....	4 50
Clifford & Plummer, for mason work and teaming,.....	17 75
William Clifford, for mason work and teaming,.....	36 51
Page & Barnard, for mason work, teaming, &c.,.....	9 50
D. M. Prescott & Co., for mason work,....	15 25
Rollins & Sargent, mason work and teaming,	48 35
J. E. Griffin, for repairing pump,.....	5 50
W. H. Condon, for cleaning vaults,.....	32 00
Nicholas P. Brown, for cleaning vaults,...	3 00
Nicholas Pierce, for cleaning vaults,.....	23 00
F. J. Libby, for re-seating chairs,.....	21 60
Whiting & Co., for scrap leather,.....	70
Frank S. Adams, for ringing bell, (Franklin School House,).....	10 00
Fred A. Burnham, for ringing bell, (Franklin School House,).....	10 00

Amounts carried forward,..... \$13,917 63 \$102,376 56

Amounts brought forward,..... \$13,917 63 \$102,376 56

Paid for SUNDRIES :

To Fred D. Mansur, for ringing bell, (Varnum School House,).....	16 00	
Fred W. Sherman, for ringing bell, (Franklin School House,).....	8 00	
C. J. S. Palmer, for ringing bell, (Varnum School House,).....	8 00	
Emery Blodgett, for services as janitor,....	33 37	
Ellen A. Bridge, for services as janitor,....	21 66	
John Cook, for services as janitor,.....	1 66	
Eliza Freeman, for services as janitor,....	13 33	
Lucretia Godkins, for services as janitor,...	5 01	
S. Augusta Haggett, for services as janitor,	21 66	
Annie S. Harlow, for services as janitor,...	21 66	
Aurelia L. Howe, for services as janitor,...	21 66	
Joseph Moore, for services as janitor,.....	6 64	
Roderick McKenzie, for services as janitor,	9 94	
Jennie Nesmith, for services as janitor,....	6 64	
L. H. Quimby, for services tending boilers,	81 00	
Emily M. Warren, for services as janitor,..	21 66	
Jane D. Smith, for labor,.....	1 12	
E. S. Smith, for moving stoves,.....	1 00	
C. P. Talbot & Co., for chloride of lime, potash, oil of vitriol, nitric acid, copperas, &c.....	33 40	
Taylor & Barker, for charcoal,.....	3 00	
		14,254 04
To amount of Superintendent of Public Buildings' bill for the year 1874.....	6,724 94	
		6,724 94
Whole expenditure for the year,.....		123,355 54
Balance undrawn January 1, 1875,.....		14,909 59
		<u>\$138,265 13</u>

SCHOOL-HOUSES.

Balance undrawn January 1st, 1874,.....	\$ 688 47	
Appropriated and assessed in 1874,.....	10,000 00	
	<u> </u>	\$10,688 47

RECEIPTS.

*Received into the Treasury from various sources,.....	2,388 54	
	<u> </u>	2,388 54
		<u> </u>
		\$13,077 01
Transferred to appropriation for Repairs of Public Buildings,.....		1,000 00
		<u> </u>
		<u>\$12,077 01</u>

EXPENDITURES.

Paid for LAND TO ENLARGE SCHOOL
HOUSE LOT:

To Lowell Bleachery Co., for land on three sides of school house lot on Carter street,	432 18	
John H. McAlvin, for plan, and recording deed of same,.....	2 50	
	<u> </u>	434 68
<i>Amount carried forward,.....</i>		<u>\$434 68</u>

Amount brought forward,..... \$434 68

Paid for SUNDRIES :

To Otis Allen, for lumber,.....	28 05
A. L. Brooks & Co., for lumber,.....	161 89
Davis, Melendy & Sargent, for lumber.....	105 83
Howes & Burnham, for lumber,.....	453 75
M. C. Pratt & Co., for lumber,.....	52 93
H. & A. Whitney, for lumber,.....	271 60
William Kelley, for doors, windows and sash,.....	64 50
Jonathan Kendall, for lead, varnish, glass, &c.,	122 97
C. B. Coburn & Co., for lead, oil, paints, glass, putty, shellac, varnish, spirits tur- pentine, japan, alcohol, brushes, &c.,....	403 62
S. Bean, for labor, painting,.....	85 00
Joseph Donnelly, for labor, painting,.....	4 50
Clark Hayward, for labor, painting,.....	35 00
Fiske & Spaulding, for lead, paints, brushes and glass,.....	75 29
J. C. Jockow, for repairing hinges,.....	2 00
Cole & Nichols, for castings,.....	18 00
John Butcher, for iron,.....	7 17
Daniel Cushing & Co., for gutter, con- ductors, labor, &c.,.....	78 74
S. G. Mack & Co., for ventilators, tins, reg- isters, labor, &c.,.....	249 45
N. J. Wier & Co., for tin, solder, labor, &c.,	25 48
H. H. Wilder & Co., for wire and labor,...	2 50
Charles E. Adams, for hardware,.....	20 54
Fielding & Bartlett, for hardware,.....	126 93
H. B. Shattuck, for hardware,.....	10 15
Jacob Rogers & Co., for hardware,.....	101 94
Rice & Co., for wire cloth,.....	124 08
E. A. & A. T. Smith, for concrete,.....	87 82
F. Frye & Co., for labor, cement, &c.,.....	71 99
John Burch & Co., for whitewashing,.....	25 00
C. H. Robbins, for whitewashing,.....	26 25
M. Caswell, for whitewashing,.....	30 00
William Clifford, for mason work and team- ing,.....	149 12
Clifford & Plummer, for mason work, sand, lime, teaming, &c.,.....	47 65
Ira Hartwell, for mason work,.....	12 00
Rollins & Sargent, for mason work, brick, cement, &c.,.....	138 06

Amounts carried forward,..... \$3,219 80 \$434 68

<i>Amounts brought forward,.....</i>	\$3,219 80	\$434 68
Paid for SUNDRIES :		
To D. M. Prescott & Co., for mason work, lime, sand, hair, laths, plaster, &c.,.....	750 55	
Page & Barnard, for mason work, brick, teaming, &c.,.....	75 21	
William H. Develin, for mason work,.....	8 00	
John Donahoe, for mason work,.....	8 00	
Patrick Quinn, for labor,.....	1 75	
Luther Kittredge & Son, for gravel,.....	3 00	
W. E. Livingston, for lime, sand, cement and brick,.....	166 35	
J. F. Wetherbee, for sand,.....	6 00	
Whithed & Tallant, for concrete,.....	644 20	
Warren C. Crosby, for drain pipe,.....	19 44	
N. T. Staples & Son, for drain pipe, cess- pools, labor, &c.,.....	132 61	
Clough & Swett, for door sills,.....	8 00	
Runels, Davis & Foster, for stone posts and underpinning,.....	34 85	
Runels & Davis, for stone and labor,.....	14 87	
John Pettingell, for chimney caps,.....	32 00	
J. W. Bennett, for roofing,.....	23 76	
Robert Goulding, for slate, zinc, labor, &c.,	236 54	
William Waugh, for slate, zinc, labor, &c.,	110 62	
Jenkins & Jordan, for lightning rods and vanes,.....	568 66	
F. D. Munn & Son, for salt,.....	75	
A. L. Russell, for salt,.....	85	
Mrs. W. H. Gage, for cash paid for repair- ing pump,.....	2 00	
Eliza Freeman, for labor,.....	5 75	
L. W. Huntington, for use of boat,.....	5 00	
William Roberts, for teaming,.....	46 50	
O. A. Simpson, for teaming,.....	9 00	
James Cowell, for teaming,.....	3 75	
James Leach, for teaming,.....	6 75	
James Little, for teaming,.....	1 50	
F. S. Smith, for teaming,.....	8 75	
M. Brady, for teaming,.....	2 25	
William Hyatt, for teaming,.....	18 00	
A. Merrill, for teaming,.....	2 50	
Timothy Kelley, for teaming,.....	3 75	
F. H. Penniman, for teaming,.....	12 00	
Daniel McCarthy, for teaming,.....	2 25	
<i>Amounts carried forward,.....</i>	\$6,195 56	\$434 68

<i>Amounts brought forward,.....</i>	\$6,195 56	\$434 68
Paid for SUNDRIES :		
To L. & L. J. Richards, for moving building,.	16 50	
Appropriation for Fire Department, for lumber,	18 43	
Appropriation for Paupers, for gate clasps,	2 00	
Appropriation for Roads and Bridges, for sidewalk assessment, edgestones, cement, stone, hinges, nails and labor,.....	462 63	
Appropriation for Water Works, for old pipe, staples and labor,.....	47 09	
	<hr/>	6,742 21
To amount of Superintendent of Streets' bill for 1874,.....	2,324 53	
	<hr/>	2,324 53
Whole expenditure for the year,.....		9,501 42
Balance undrawn January 1, 1875,.....		2,575 59
		<hr/>
		\$12,077 01
		<hr/>

ROADS AND BRIDGES.

Balance undrawn January 1st, 1874,.....	\$27,638 49	
Appropriated and assessed in 1874,.....	85,000 00	
	<hr/>	\$112,638 49

RECEIPTS.

Received for SIDEWALK ASSESSMENTS,
MATERIALS, AND OTHER STREET
ACCOUNTS :

IN JANUARY.

Of Joseph S. Brown, for sidewalk assessment,	135 07	
Estate of John McMahon, for sidewalk assessment,.....	51 77	
Eliza Kittredge, for sidewalk assessment,..	57 96	
D. P. Gage, for sidewalk assessment,.....	72 17	
B. D. Brown, for sidewalk assessment,....	92 64	
James Harper, for sidewalk assessment,...	78 60	
D. Mullen, for sidewalk assessment,.....	19 47	
M. S. Leach, for sidewalk assessment,....	48 46	
G. H. Wellman, for sidewalk assessment,..	93 40	
E. Crowley, for sidewalk assessment,.....	24 45	
G. G. Reed, for sidewalk assessment,.....	48 68	
Alice Thompson, for sidewalk assessment,..	53 18	
Daniel Coburn, for sidewalk assessment,...	59 89	
E. L. Williams, for sidewalk assessment,..	46 26	
Isaac Deming, for sidewalk assessment,...	51 78	
A. Mathes, for sidewalk assessment,.....,	34 07	
C. T. Crosby, for sidewalk assessment,....	97 54	
Augustus Hovey, for sidewalk assessment,.	44 52	
Daniel Holt, for sidewalk assessment,.....	41 64	
W. W. Carey, for sidewalk assessment,...	41 40	
J. M. Pearson, for sidewalk assessment,...	44 73	
	<hr/>	
<i>Amounts carried forward,.....</i>	<i>\$1,237 68</i>	<i>\$112,638 49</i>

Amounts brought forward,..... \$1,237 68 \$112,638 49

Received for SIDEWALK ASSESSMENTS,
MATERIALS, AND OTHER STREET
ACCOUNTS :

Of Estate of D. Richardson, for sidewalk as- essment,.....	14 57	
J. W. Plummer, for sidewalk assessment,..	47 83	
C. E. Paige, for sidewalk assessment,.....	89 89	
William Clark, for sidewalk assessment,..	45 48	
A. M. Foster, for sidewalk assessment,....	27 25	
Josiah Corner, for sidewalk assessment,...	19 16	
Heirs of M. Smith, for sidewalk assessment,	25 32	
Joseph Evans, for sidewalk assessment,..	133 18	
D. Whithed, for edgestone,.....	43 80	
F. A. Calvert, for edgestone,.....	11 00	
Reserved Fund, for labor and material,...	192 63	
Appropriation for Water Works, for labor and material,.....	99 25	
Appropriation for Paupers, for fuel,.....	193 50	
Appropriation for School Houses, for bolts,	6 00	
Appropriation for Sewers and Drains, for labor and material,.....	307 74	
Appropriation for Fire Department, for labor and material,.....	62 55	
Appropriation for Police, for wood,.....	16 00	
Appropriation for Lighting Streets and Public Buildings, for labor,.....	322 10	
Appropriation for Schools, for labor and material,.....	1,337 25	
	<hr/>	4,232 18

IN FEBRUARY.

Of John Young, for sidewalk assessment,....	48 18	
Estate of John McMahon, for sidewalk as- essment,.....	35 67	
D. Farrington, for sidewalk assessment,...	49 73	
S. G. Davis, for sidewalk assessment,.....	70 93	
John E. Crane, for sidewalk assessment,...	133 56	
George Cobb, for sidewalk assessment,....	30 48	
Mary A. Beard, for sidewalk assessment,..	51 15	
W. B. Franklin, for sidewalk assessment,..	95 85	
W. W. Sargent, for sidewalk assessment,..	48 43	
Hannah Reed, for sidewalk assessment,...	46 32	
M. N. Peabody, for sidewalk assessment,..	92 34	
J. Franklin Harvey, for sidewalk assessment,	109 56	
	<hr/>	
<i>Amounts carried forward</i> ,.....	\$812 20	\$116,870 67

<i>Amounts brought forward,.....</i>	\$812 20	\$116,870 67
Received for SIDEWALK ASSESSMENTS, MATERIALS, AND OTHER STREET ACCOUNTS:		
Of F. B. Cox, for sidewalk assessment,.....	40 03	
N. Burnham, for sidewalk assessment,.....	26 60	
Edward Stockman, for sidewalk assessment,	55 90	
H. F. Durant, for sidewalk assessment,...	99 84	
Michael Corbett, for sidewalk assessment,.	140 30	
George H. Thompson, for sidewalk assess- ment,.....	60 10	
Z. E. Stone, for sidewalk assessment,.....	129 91	
Mary Lynch, for sidewalk assessment,....	41 02	
Jacob Nichols, for sidewalk assessment,....	29 44	
Patrick Cavanagh, for sidewalk assessment,	15 33	
Appropriation for Water Works, for team- ing,.....	137 75	
Appropriation for Schools, for labor and material,.....	774 99	
Appropriations for Commons, for labor,...	28 14	
Appropriations for Sewers and Drains, for labor,.....	343 29	
Appropriation for Fire Department, for labor and material,.....	70 70	
Appropriation for Lighting Streets and Public Buildings, for labor and ma- terial,	12 58	
Reserved Fund, for labor,	746 99	
Appropriation for Paupers, for fuel,.....	354 00	
Appropriation for Police, for fuel,.....	18 75	
John C. Woodward, for fuel,.....	69 50	
Boston & Lowell and Nashua & Lowell Railroad Co., for labor and material,..	295 02	
		4,302 38

IN MARCH.

Of Free Will Baptist Chapel, for sidewalk assessment,.....	96 56	
G. B. Farnham, for sidewalk assessment,..	44 64	
I. & J. D. Hartwell, for sidewalk assess- ment,.....	53 25	
M. L. Russell, for sidewalk assessment,...	32 40	
O. Simpson, for sidewalk assessment,.....	121 10	
W. H. Anderson, for sidewalk assessment,	28 50	
Margaret Lambert, for sidewalk assessment,	60 24	
<i>Amounts carried forward,.....</i>	\$436 69	\$121,173 05

Amounts brought forward..... \$436 69 \$121,173 05

Received for SIDEWALK ASSESSMENTS,
MATERIALS, AND OTHER STREET
ACCOUNTS :

Of A. H. Chandler, for sidewalk assessment,.	58	14	
H. W. Tibbetts, for sidewalk assessment,..	53	77	
T. C. Blaisdell, for sidewalk assessment,..	36	16	
Mrs. E. A. Clark, for sidewalk assessment,	53	13	
Baptist Chapel, for sidewalk assessment,...	92	53	
Mrs. T. J. Day, for sidewalk assessment,..	47	57	
Joshua B. Varnum, for sidewalk assessment,	45	46	
Joshua Varnum, for sidewalk assessment,..	79	31	
Heirs of J. Bennett, for sidewalk assessment,	74	11	
A. P. Miller, for sidewalk assessment,....	51	11	
Amasa Pratt, for edgestone,.....	61	50	
E. A. & A. T. Smith, for repair of wheel- barrows,.....	18	40	
Appropriation for Water Works, for labor,	16	00	
Appropriation for Lighting Streets and Public Buildings, for labor and mate- rial,.....	18	25	
Appropriation for Commons, for labor,....	25	34	
Appropriation for Police, for wood,.....	8	75	
Appropriation for Fire Department, for labor and material,.....	62	38	
Appropriation for Schools, for labor and material,.....	898	89	
Appropriation for Sewers and Drains, for labor and material,.....	94	88	
Appropriation for Paupers, for labor and material,.....	321	35	
Reserved Fund, for labor and material,...	780	89	
J. C. Woodward, for fuel,.....	85	00	
G. L. Huntoon, for one horse,.....	150	00	
			3,569 61

IN APRIL.

Of John E. Crane, for sidewalk assessment,..	63	84	
John Clee, for sidewalk assessment,.....	59	63	
S. S. Coe, for sidewalk assessment,.....	58	92	
Mary S. Barbour, for sidewalk assessment,	41	64	
A. C. Wheelock, for sidewalk assessment,..	88	33	
Appropriation for Sewers and Drains, for labor,.....	83	25	
Appropriation for Lighting Streets and Public Buildings, for labor.....	53	72	
<i>Amounts carried forward</i> ,.....	\$449 33	\$124,742 66	

<i>Amounts brought forward,.....</i>	\$449 33	\$124,742 66
Received for SIDEWALK ASSESSMENTS, MATERIALS, AND OTHER STREET ACCOUNTS :		
Of Appropriation for Paupers, for fuel and manure,.....	289 00	
Appropriation for Schools, for coal,.....	115 25	
Appropriation for Fire Department, for labor, &c.,.....	38 25	
Appropriation for Police, for wood,.....	15 00	
Reserved Fund, for labor, &c.,.....	57 25	
D. P. Gage, for labor and lumber,.....	1 91	
John C. Woodward, for fuel and street scrapings,.....	35 00	
G. H. Wellman, for chestnut plank,.....	3 90	
P. H. Carleton, for concrete,.....	53 16	
		1,058 05

IN MAY.

Of M. Quinlan, for sidewalk assessment,.....	23 40	
Mrs. Alexander Wright, for sidewalk as- sessment,.....	116 97	
W. L. Clark, for sidewalk assessment,....	62 58	
S. Bartlett, for sidewalk assessment,.....	52 87	
Mrs. S. C. Pratt, for sidewalk assessment,	59 86	
F. J. Small, for sidewalk assessment,.....	50 40	
A. G. Batchelder, for sidewalk assessment,	155 02	
A. P. Bonney, for sidewalk assessment,...	100 56	
C. Burnham, for sidewalk assessment,.....	71 26	
A. S. Goodrich, for sidewalk assessment,..	34 75	
J. C. Woodward, for fuel, labor and street scrapings,.....	179 50	
Appropriation for Fire Department, for labor, &c.,.....	27 40	
Appropriation for Police, for fuel.....	10 00	
Appropriation for Paupers, for labor, &c...	172 55	
Appropriation for Water Works, for labor,	30 13	
Appropriation for School Houses, for ma- terial,.....	7 50	
Appropriation for Schools, for fuel,.....	139 18	
Appropriation for Sewers and Drains, for labor,.....	207 88	
Reserved Fund, for fuel and labor,.	62 13	
Appropriation for Lighting Streets and Public Buildings, for labor,.....	6 70	
		1,570 64
<i>Amount carried forward,.....</i>		\$127,371 35

Amount brought forward,..... \$127,371 35

Received for SIDEWALK ASSESSMENTS,
MATERIALS, AND OTHER STREET
ACCOUNTS :

IN JUNE.

Of G. M. Eastman, for sidewalk assessment,..	49 80	
W. A. Brown, for sidewalk assessment,....	36 40	
C. A. Hamblett, for sidewalk assessment,..	55 02	
J. A. G. Richardson, for sidewalk assess- ment,.....	209 31	
A. C. Wright, for sidewalk assessment,..	46 21	
Isaac Barr, for sidewalk assessment,.....	105 00	
P. F. Litchfield, for sidewalk assessment,.	79 33	
J. S. D'Evelyn, for sidewalk assessment,..	132 20	
A. S. Horn, for sidewalk assessment,.....	255 96	
P. Whiting, for stone,.....	20 50	
Appropriation for Fire Department, for material,	42 80	
Appropriation for Schools, for labor,.....	144 01	
Appropriation for Water Works, for fuel,..	15 00	
Appropriation for Repairs of Public Build- ings, for labor,.....	12 90	
Appropriation for Sewers and Drains, for labor, &c ,	483 19	
Appropriation for Paupers, for labor,.....	84 25	
Appropriation for Health Account, for labor,.....	96 38	
Reserved Fund, for labor,.....	222 50	
Appropriation for Lighting Streets and Public Buildings, for labor, &c.,.....	45 80	
		2,136 56

IN JULY.

Of A. T. Jaques, for sidewalk assessment,....	55 13	
E. A. & A. T. Smith, for sidewalk assess- ment,.....	251 97	
Appropriation for Schools, for loam,.....	2 50	
Appropriation for School Houses, for la- bor, &c.,.....	28 75	
Appropriation for Paupers, for labor, &c.,	57 00	
Appropriation for Fire Department, for labor, &c.,.....	25 15	
Appropriation for Sewers and Drains, for labor, &c.,.....	140 41	
Appropriation for Commons, for labor, &c.,	463 65	
<i>Amounts carried forward</i> ,.....	\$1,024 56	\$129,507 91

<i>Amounts brought forward,.....</i>	\$1,024 56	\$129,507 91
Received for SIDEWALK ASSESSMENTS, MATERIALS, AND OTHER STREET ACCOUNTS :		
Of Appropriation for Lighting Streets and Public Buildings, for labor,.....	14 65	
Appropriation for Repairs of Public Build- ings, for labor, &c.,.....	5 00	
Appropriation for Health Account, for la- bor, &c ,.....	52 00	
Appropriation for Water Works, for la- bor, &c.....	12 00	
N. W. Norcross, for sand,.....	54 00	
J. C. Woodward, for fuel,.....	80 75	
Nashua & Lowell Railroad Company, for 612 $\frac{81}{100}$ feet of land on Western Av- enue,.....	612 81	
Nashua & Lowell Railroad Company, for 399 $\frac{75}{100}$ feet of land on Western Av- enue,.....	259 83	
Nashua & Lowell Railroad Co., for expense of moving buildings,.....	1,000 00	
		3,115 60

IN AUGUST.

Of W. Woodman, for sidewalk assessment,...	51 67	
John Hadley, for sidewalk assessment,....	167 70	
S. Woodward, for sidewalk assessment,...	56 75	
William Manning, for sidewalk assessment,	128 73	
J. B. French, for sidewalk assessment,....	36 36	
J. B. French, for sidewalk assessment,....	62 82	
J. B. French, for sidewalk assessment,....	30 90	
J. B. French, for sidewalk assessment,....	106 50	
G. H. Wight, for sidewalk assessment,....	63 24	
H. B. Proctor, for sidewalk assessment....	68 76	
F. Holton, for sidewalk assessment,.....	432 16	
John Hadley, for flagging,.....	6 40	
G. Runels, for labor, &c.,.....	42 08	
Tremont and Suffolk Mills, for horseshoeing,	18 50	
Lawrence Manufacturing Co., for horse- shoeing,.....	35 18	
B. G. Brown, for sand,.....	28 00	
N. W. Norcross, for sand,.....	32 00	
J. C. Woodward, for stone and street scrapings,.....	121 63	
<i>Amounts carried forward,.....</i>	\$1,489 38	\$132,623 51

Amounts brought forward,..... \$1,489 38 \$132,623 51

Received for SIDEWALK ASSESSMENTS,
MATERIALS, AND OTHER STREET
ACCOUNTS:

Of G. F. Penniman, for street scrapings,.....	29 00	
Appropriation for Health Account, for labor,	52 00	
Appropriation for Lighting Streets and Public Buildings, for labor,.....	17 80	
Appropriation for Paupers, for fuel,.....	43 00	
Appropriation for Police, for labor and fuel,	216 32	
Appropriation for Fire Department, for labor,.....	10 05	
Appropriation for Sewers and Drains, for labor,	499 35	
Appropriation for Commons, for labor,....	264 83	
Appropriation for Water Works, for labor,	7 50	
Reserved Fund, for labor,	1,017 05	
Appropriation for School Houses, for labor,	3 50	
Appropriation for Schools, for fuel,	3,319 52	
		6,969 30

IN SEPTEMBER.

Of J. B. French, for sidewalk assessment,.....	65 67	
J. V. Keyes, for sidewalk assessment,.....	89 88	
Joseph Turner, for edgestone,	20 10	
A. B. Richardson, for edgestone,.....	19 20	
C. E. Poor, for edgestone,	21 30	
S. W. Huse, for edgestone,	100 05	
J. C. Woodward, for iron and street scrap- ings,	65 54	
T. A. Sanborn, for street scrapings,	12 00	
William Freeman, for street scrapings,....	4 00	
J. W. Proctor, for street scrapings,.....	6 00	
H. B. Shattuck, for street scrapings,.....	27 00	
Daniel Swan, for street scrapings,	93 75	
S. Horn, for street scrapings,	6 00	
C. E. A. Bartlett, for concrete,	3 93	
Appropriation for Commons, for labor and material,	120 38	
Appropriation for Health Account, for la- bor, &c.,	87 76	
Appropriation for Sewers and Drains, for labor, &c.,	708 60	
Appropriation for Lighting Streets and Public Buildings, for labor, &c.	1 75	
		1,452 91
<i>Amount carried forward</i> ,.....		\$141,054 72

Amount brought forward,..... \$141,045 72

Received for SIDEWALK ASSESSMENTS,
MATERIALS, AND OTHER STREET
ACCOUNTS :

IN OCTOBER.

Of Francis Brown, for sidewalk assessment,...	51 67	
Patrick Glinn, for sidewalk assessment,...	146 94	
T. A. Sanborn, for sidewalk assessment,...	121 92	
T. A. Sanborn, for sidewalk assessment,...	43 08	
Mrs. A. W. Buttrick, for concrete,.....	7 05	
W. G. Morse, for street scrapings,.....	6 00	
Arthur Staples, for edgestone,.....	23 40	
R. H. Staples, for edgestone,.....	42 40	
O. A. Coburn, for street scrapings,.....	5 00	
P. Whiting, for edgestone,.....	51 45	
J. C. Woodward, for fuel,.....	65 00	
Edwin Lamson, for street scrapings,.....	5 00	
S. G. Pettigrew, for street scrapings,.....	12 00	
Proprietors of Odd Fellows' Block, for coal,	362 82	
Boston & Lowell Railroad Co., for paving,	71 03	
Boston & Lowell Railroad Co., for re-im-		
bursement of money paid Helen A.,		
Mary F. and Mrs. G. K. Eastman, for		
land,	850 00	
Appropriation for Health Account, for labor,	59 00	
Appropriation for School Houses, for la-		
bor, &c.,.....	90 75	
Reserved Fund, for labor, &c.,.....	49 76	
Appropriation for Schools, for labor, &c.,.	21 50	
Appropriation for Commons, for labor, &c.,	13 75	
Appropriation for Lighting Streets and		
Public Buildings, for labor, &c.,.....	36 53	
Appropriation for Fire Department, for la-		
bor, &c.,.....	33 65	
Appropriation for Paupers, for labor, &c.,.	787 04	
Appropriation for Police, for labor, &c.,...	7 50	
Appropriation for Sewers and Drains, for		
labor,.....	542 77	
H. Hosford, for labor, &c.,.....	72 10	
		3,579 11

IN NOVEMBER.

Of J. C. Woodward, for labor, fuel, stone, &c.,	218 26
Halladay & Vreeland, for labor,.....	130 78
James Hurd, for shoveling snow,.....	49 52

Amounts carried forward,..... \$398 56 \$144,624 83

<i>Amounts brought forward,.....</i>	\$398 56	\$144,624 83
Received for SIDEWALK ASSESSMENTS, MATERIALS, AND OTHER STREET ACCOUNTS :		
Of John H. McAlvin, for coal,.....	97 99	
Appropriation for Schools, for labor.....	152 00	
Appropriation for School Houses, for labor,	15 25	
Reserved Fund, for labor,.....	75 50	
Appropriation for Sewers and Drains, for labor,.....	728 31	
Appropriation for Health Account,for labor,	54 00	
Appropriation for Lighting Streets and Public Buildings, for labor,.....	40 83	
A. B. Foss, for sidewalk assessment,.....	97 38	
Patrick Murphy, for sidewalk assessment,	45 66	
G. H. Taylor, for sidewalk assessment,....	44 07	
C. G. Thyng, for sidewalk assessment,....	119 09	
D. Carr, for sidewalk assessment,....	48 33	
Daniel Callahan, for sidewalk assessment,.	5 16	
Patrick Grady, for sidewalk assessment,..	47 76	
James Groom, for sidewalk assessment,....	40 44	
Ellen Johnson, for sidewalk assessment,..	32 76	
T. Downing, for sidewalk assessment,.....	26 88	
Andrew Fahey, for sidewalk assessment,..	69 20	
Charles C. Atwood, for sidewalk assessment,	50 10	
Heirs of J. Sawtelle, for sidewalk assess- ment,.....	92 10	
Patrick Moran, for sidewalk assessment,..	6 77	
William H. Parker,for sidewalk assessment,	39 36	
Richard Sullivan, for sidewalk assessment,	67 04	
S. C. Sanborn, for sidewalk assessment,..	49 02	
Daniel Smith, for sidewalk assessment,....	26 04	
Lyman Cady, for sidewalk assessment.....	181 92	
Martha Greeley, for sidewalk assessment,..	17 46	
J. M. Thurston, for sidewalk assessment,..	11 04	
A. Merrill, for sidewalk assessment,.....	21 66	
Patrick Lynch, for sidewalk assessment,..	103 14	
L. J. Eames, for sidewalk assessment,....	84 66	
David Huntoon, for sidewalk assessment..	46 26	
Mrs. J. N. Tyler, for sidewalk assessment,	26 58	
Eliza H. Healey, for sidewalk assessment,.	42 84	
Patrick J. Moran, for sidewalk assessment,	59 04	
S. L. Sawtelle, for sidewalk assessment,..	35 64	
Lewis Taylor, for sidewalk assessment,....	19 02	
Margaret Garvey, for sidewalk assessment,	59 91	
T. A. Sanborn, for sidewalk assessment,..	61 44	
<i>Amounts carried forward,.....</i>	\$3,240 21	\$144,624 83

<i>Amounts brought forward.....</i>	\$3,240 21	\$144,624 83
Received for SIDEWALK ASSESSMENTS, MATERIALS, AND OTHER STREET ACCOUNTS :		
Of William Scully, for sidewalk assessment,..	5 40	
J. A. Walkden, for sidewalk assessment,..	70 14	
E. O. Kingsley, for sidewalk assessment,..	60 36	
Sarah A. Adams, for sidewalk assessment,	22 62	
A. F. Crooker, for sidewalk assessment,..	58 19	
Catherine Barry, for sidewalk assessment,. .	153 74	
Mary McCarthy, for sidewalk assessment,. .	25 79	
Dennis McHugh, for sidewalk assessment,. .	25 98	
J. McCarty, for sidewalk assessment,.....	44 16	
John W. Murphy, for sidewalk assessment,	70 40	
James O'Brien, for sidewalk assessment,..	24 24	
William Tighe, for sidewalk assessment,..	32 04	
Heirs of E. Sheldon, for sidewalk assess- ment,	129 42	
		3,962 69

IN DECEMBER.

Of William Eacott, for sidewalk assessment,..	71 76	
Jane Carmichael, for sidewalk assessment,. .	46 74	
Bernard Dunn, for sidewalk assessment,..	39 36	
Susan Whitman, for sidewalk assessment,	96 42	
Mrs. R. P. Davis, for sidewalk assessment, .	35 69	
Mrs. C. H. Barker, for sidewalk assessment,	62 42	
Patrick Rowe, for sidewalk assessment,..	29 02	
Heirs of Andrew Smith, for sidewalk as- sessment,.....	20 40	
Robert Johnson, for sidewalk assessment,..	3 03	
Thorndike Manufacturing Co., for sidewalk assessment,	122 04	
Appropriation for School Houses, for side- walk assessment,.....	203 52	
D. McCarty, for sidewalk assessment,....	92 22	
James Hickey, for sidewalk assessment,..	65 28	
E. S. Dexter, for sidewalk assessment,....	31 33	
O. Donnell, for sidewalk assessment,.....	24 60	
Mrs. Isaac Place, for sidewalk assessment,	62 58	
Lemuel Church, for sidewalk assessment,..	33 72	
S. D. Shipley, for sidewalk assessment,....	46 68	
Mrs. A. Nichols, for sidewalk assessment,. .	88 04	
Mrs. A. Nichols, for sidewalk assessment,. .	110 15	
Sarah J. Henderson, for sidewalk assessment,	20 82	
<i>Amounts carried forward,.....</i>	\$1,305 82	\$148,587 52

Amounts brought forward,..... \$1,305 82 \$148,587 52

Received for SIDEWALK ASSESSMENTS,
MATERIALS, AND OTHER STREET
ACCOUNTS :

Of James Bassett, for sidewalk assessment,...	18 21	
George Lindsey, for sidewalk assessment,..	25 74	
Joseph Scarbo, for sidewalk assessment,...	32 76	
William D. Blanchard, for sidewalk assess- ment,	27 90	
Patrick Shanley, for sidewalk assessment,..	61 38	
Jason Fuller, for sidewalk assessment	95 10	
S. A. Green, for sidewalk assessment,....	44 40	
W. E. Somes, for concrete,.....	11 50	
A. T. Johnson, for concrete,.....	13 50	
L. Kittredge & Son, for labor, &c.,.....	43 63	
J. C. Woodward, for fuel, stone and gravel,	609 21	
H. R. Barker, for edgestone,.....	67 20	
S. G. Davis, for edgestone,.....	119 40	
A. E. Conant, for edgestone,.....	102 30	
O. Bullard, for coal,.....	56 54	
Appropriation for Health Account, for la- bor, &c.,.....	24 00	
Appropriation for Lighting Streets and Public Buildings, for labor, &c.,.....	38 60	
Appropriation for Commons, for labor, &c.,	35 41	
Appropriation for Sewers and Drains, for labor, &c.,.....	459 81	
Appropriation for Fire Department, for la- bor, &c.,.....	185 35	
Appropriation for Police, for fuel.....	10 00	
Appropriation for Schools, for fuel,	54 35	
Appropriation for Paupers, for fuel,.....	272 50	
Reserved Fund, for fuel,.....	53 50	
Appropriation for School Houses, for edge- stone,	51 60	
		3,819 71
Transferred from Corporation Tax Account, ..		25,000 00
		<u>\$177,407 23</u>

EXPENDITURES.

Paid for LABOR, as per monthly pay-rolls:

In January,.....	3,194	26	
February,.....	1,933	76	
March,.....	1,998	29	
April,.....	2,445	45	
May,.....	3,605	78	
June,.....	4,320	07	
July,.....	4,826	26	
August,.....	4,487	30	
September,.....	4,595	62	
October,.....	4,204	65	
November,.....	3,445	21	
December,.....	2,229	53	
			41,286 18

Paid for HAY, GRAIN, &c.:

To Appropriation for Paupers, for hay,.....	311	40	
Smith Adams, for straw,.....	86	52	
Boston & Lowell and Nashua & Lowell Rail- road Co., for freight on hay,.....	134	40	
H. P. Clough, for hay,.....	35	93	
G. D. Coburn, for straw,.....	31	43	
H. S. Carlton, for straw,.....	54	11	
Sydney Davis, for straw,.....	35	07	
Mrs. William Dobbins, for hay,.....	71	00	
Milton Fox, for carrots,.....	34	16	
C. K. Fletcher, for hay and straw,.....	122	65	
A. W. Howe, for carrots,.....	76	21	
W. H. Leavitt, for hay,.....	655	62	
W. E. Livingston, for straw and grain,....	692	06	
Peabody & Richardson, for oats,.....	277	47	
Rogers & Lord, for grain and meal,.....	418	72	
Stiles, Rogers & Co., for grain and meal..	330	79	
Stewart, Sherburne & Co., for straw, grain and meal,.....	638	36	
A. C. Varnum, for straw,.....	14	37	
S. N. Wood & Son, for grain and meal.,..	477	18	
W. H. Wiggin, for hay,.....	116	45	
			4,613 90
<i>Amount carried forward,.....</i>			\$45,900 08

<i>Amount brought forward</i> ,.....		\$45,900 08
Paid for LUMBER, STONE, BRICK, CEMENT, &c. :		
To Appropriation for Repairs of Public Build- ings, for lumber and screws,.....	4 80	
A. L. Brooks & Co., for lumber,.....	2 98	
M. C. Pratt & Co., for sawing and planing lumber,.....	61 33	
H. & A. Whitney, for lumber,.....	1,095 32	
Clough & Sweatt, for stone and labor,....	1,712 67	
Joseph Churchill, for edgestone,.....	114 13	
F. Carll, for stone,.....	10 00	
A. E. Carlton, for edgestone and flagging,. .	1,016 95	
Mrs. Cyrus Durgin, for edgestone and posts,	21 95	
John Eaton, for edgestone and flagging,...	1,218 47	
E. Hutchinson, for edgestone and flagging,	314 39	
W. E. Hill, for edgestone,.....	1,677 98	
John M. Hodge, for stone chips,.....	50 00	
Mrs. C. F. Lawson, for stone posts,.....	25 00	
Thomas McQuesten, for edgestone,.....	383 98	
J. B. Melendy, for edgestone,.....	448 82	
Benjamin Palmer, for block paving and flagging,.....	7,591 88	
G. F. Parker, for edgestone and flagging,. .	1,639 36	
Pierce Perham, for edgestone and flagging,	814 50	
Noah Prescott, for edgestone and flagging,. .	276 78	
Runels & Davis, for stone and stone chips,	31 50	
William Reed, for edgestone, block paving and flagging,.....	6,973 60	
I. B. Wood, for flagging,.....	23 15	
O. A. Simpson, for stone and labor,.....	283 00	
Proprietors of Locks and Canals on Merri- mack River, for stone and use of der- rick,.....	10 70	
Robert Gardner, for breaking stone,.....	671 36	
F. B. Hawes, for freight, carting and stor- ing stone,.....	28 05	
Boston & Lowell and Nashua & Lowell Rail- road Co., for freight on stone,.....	900 61	
Appropriation for School Houses, for brick, &c.,.....	6 00	
William E. Livingston, for brick, lime and cement,.....	104 30	
N. Crosby, for wood pavement,.....	17,858 38	
N. W. Norcross, for wood pavement,.....	5,526 62	
E. A. & A. T. Smith, for concrete paving,. .	6,593 59	
<i>Amounts carried forward</i> ,.....	\$57,492 15	\$45,900 08.

Amounts brought forward,..... \$57,492 15 \$45,900 08

Paid for LUMBER, STONE, BRICK,
CEMENT, &c. :

To Whithed & Tallant, for concrete paving, ..	2,020 14	
Mary Lee, for gravel,	31 75	
C. W. Kimball, for sand,	70 00	
Lowell Gas Light Co., for sand,	9 67	
S. P. Sargent, for stone and gravel,	73 30	
Charles D Starbird, for gravel,	118 40	
S. H. Weaver, for sand,	33 50	
	<hr/>	59,848 91

Paid for FUEL :

To Bangs & Horton, for coal,	7,488 09	
Boston, Clinton & Fitchburg Railroad, for freight on coal,	1,486 25	
P. Cummiskey, for wood,	299 72	
D. W. Horne, for coal,	968 68	
Cyrus Hamlin, for wood,	153 50	
Heywood, Prescott & Co., for wood,	779 91	
William E. Livingston, for coal,	69 76	
Estate of A. Nichols, for coal,	5 10	
Charles D. Starbird, for wood,	1,902 96	
A. & E. G. Spaulding, for wood,	189 07	
Samuel Newhall, for measuring wood,	6 00	
L. Smith, for measuring wood,	1 50	
	<hr/>	13,350 54

Paid for BLACKSMITH WORK, RE-
PAIRING CARRIAGES, HARNESSES,
IRON, &c. :

To John G. Allen, for harnesses,	160 50	
A. H. & J. H. Abbott, for trimming sleigh shafts,	5 00	
J. A. Brabrook, for collars, halters, repair- ing harnesses, &c.,	22 85	
Samuel Convers, for repairing wagons, re- pairing harnesses, block rubbers, &c., :	59 80	
S. L. Butman, for harness, repairing har- nesses, &c.,	359 85	
Sawyer & Taylor, for trimming wagon, carriage mat, and collars,	42 00	
James Dugdale & Son, for horse blankets, ..	23 75	

Amounts carried forward,..... \$673 75 \$119,099 53

Amounts brought forward,..... \$673 75 \$119,099 53

Paid for BLACKSMITH WORK, RE-
PAIRING CARRIAGES, HARNESES,
IRON, &c. :

To A. M. & C. M. Wood, for hubs, spokes, axles, shafts and rims,.....	48 18	
John Pettingell, for turning,.....	9 35	
Wilder Leeman, for painting sleigh,.....	12 64	
S. K. Freeman, for painting wagon,.....	20 00	
Luke McFarland, for sled runners,.....	5 00	
Dodge, Gilbert & Co., for iron, steel, axles, wheels, rims, shafts, &c.,.....	159 81	
Lowell Machine Shop, for splicing axle,...	11 15	
John Butcher, for iron, steel, &c.,.....	687 11	
Pevey Bros., for sled shoes,.....	12 60	
American Bolt Co., for bolt,.....	1 30	
S. Ashworth & Co., for re-cutting files and grinding axes,.....	21 04	
Estate of William Dobbins, for iron,.....	2 28	
J. C. Jockow, for repairing pump,.....	2 50	
Boston & Lowell and Nashua & Lowell Railroad Co., for freight on axles, iron and steel,.....	96	
Boston & Lowell Fast Freight Line, for freight on hubs, spokes, shafts and axles,	70	
Meserve & Co's Express, for freight on wheels and axles,.....	4 25	
	<hr/>	1,672 62

Paid SUPERINTENDENT of STREETS
and CIVIL ENGINEER :

To J. C. Woodward, Superintendent of Streets, (salary,).....	1,800 00	
R. W. Baker, Civil Engineer, (salary,)...	282 74	
George E. Evans, Civil Engineer, (salary,)	2,180 06	
George E. Evans, Civil Engineer, (for assistance,).....	985 40	
	<hr/>	5,248 20

Paid for LAND AND BUILDINGS FOR
OPENING A NEW STREET AND
FOR EXTENSION OF OTHERS :

To S. F. Gladwin, for land taken in the con- struction of a street from Merrimack street to Moody street,.....	2,082 52	
	<hr/>	
<i>Amounts carried forward</i> ,.....	\$2,082 52	\$126,020 35

Amounts brought forward,..... \$2,082 52 \$126,020 35

Paid for LAND AND BUILDINGS FOR
OPENING A NEW STREET AND
FOR EXTENSION OF OTHERS:

To Mrs. Walter Wright, for land taken in the construction of a street from Merrimack street to Moody street,.....	3,800 00	
Mary F., Helen A. and Mrs. G. K. Eastman, for land taken to widen and change the location of Western Avenue,.....	850 00	
Appropriation for School Houses, for land taken for extension of Worthen street,	1,927 50	
Proprietors of Locks and Canals on Merrimack River, for land taken for extension of Worthen street,.....	428 00	
A. L. Brooks, for land taken for extension of Worthen street,....	3,752 25	
A. C. Wheelock, for land and buildings taken for extension of Chapel street,..	3,000 00	
Wealthy Perkins, for land taken for extension of South Highland street,.....	1,597 75	
	<hr/>	17,438 02

Paid for DAMAGES ON ORDERS FROM
COMMITTEE ON CLAIMS, &c.:

To Placentia Baker, (on execution,).....	200 25	
James Cox and wife, (on execution,).....	52 96	
—— Carr, (on execution,).....	28 50	
Roxanna Howe, (as per resolution,).....	1,500 00	
T. C. Barker, (as per resolution,).....	300 00	
David Smithson, <i>et ux.</i> , for injuries received by Elizabeth Smithson,.....	150 00	
Marcus O'Brien, for injuries received by Thomas F. O'Brien,.....	20 00	
Jane T. Marsh, for injuries received,....	100 00	
James Fleming, for injuries received,....	10 00	
Mary Doyle, for injuries received,.....	100 00	
H. Maria Carroll, for injuries received,..	20 00	
James P. Emerson, for injuries to horse,..	40 00	
G. F. Penniman, for injury to wagon,....	6 00	
William Kittredge, for injuries to carriage,	5 25	
	<hr/>	2,532 96
<i>Amount carried forward</i> ,.....		\$145,991 33

Amount brought forward,..... \$145,991 33

Paid for SUNDRIES :

To George S. Butters, for five horses,.....	1,375 00
George S. Butters, for difference in exchange of horses,.....	375 00
George S. Butters, for use of horses,.....	68 00
J. R. Hayes, for medicine for horses,.....	25 13
Robert Wood, for medical treatment of horses,.....	24 50
C. B. Coburn & Co., for sperm oil, cod line, twine, paint, brushes, lead, axle grease, varnish, linseed oil, spirits turpentine, manila rope, blocks, brooms, pails, sponge, &c.,.....	187 38
Fiske & Spaulding, for paper, colors, India ink, rubber, pencils, brushes and china cups,.....	12 19
Charles E. Adams, for hardware,.....	174 43
Fielding & Bartlett, for hardware,.....	14 63
Jacob Rogers & Co., for hardware,.....	152 60
H. B. Shattuck, for hardware,.....	11 45
S. G. Mack & Co., for stove, pails, dippers, fence castings, labor, &c.,.....	22 05
H. H. Wilder & Co., for boiler and cover,.....	4 50
A. Grover, for cutting steel stamps,.....	4 50
J. Gates & Sons, for leather, hose, covering bellows, belt punch, &c.,.....	54 81
H. R. Barker & Co., for gas burners, pipe, couplings, labor, &c.,.....	7 43
Adams & Co., for desk,.....	22 00
F. P. Coggeshall, for blank books, stationery, &c.,.....	36 25
Joshua Merrill & Son, for blank books and stationery,.....	43 99
Bachelor, Dumas & Co., for making portfolios and plan book,.....	8 00
D. Lovejoy & Son, for bolt and washers,...	1 80
J. W. Murkland, for repairing engines, iron, labor, &c.,.....	150 89
J. H. Haskell, for filing saws,.....	16 55
Appropriation for Repairs of Public Buildings, for drafting board,.....	75
Appropriation for Water Works, for use of water,.....	341 00
Middlesex Co., for cinders,.....	5 75
John A. Dix, for labor on Agawam street,.	300 00

Amounts carried forward,..... \$3,440 58 \$145,991 33

Amounts brought forward,..... \$3,440 58 \$145,991 33

Paid for SUNDRIES :

To Daniel W. Lane, for constructing Stevens street,.....	2,000 00
Daniel W. Lane, for extra labor on Stevens street,.....	150 00
Daniel W. Lane, for labor, grading Forest street,.....	146 37
George E. Evans, for travelling expenses, postage stamps, express charges, &c.,..	14 70
Henry Goodwin, for oil, cans, wicks and oat meal,.....	12 14
R. K. Runals, for horse liniment, oat meal, bucket, salt and oil.....	37 50
Hartwell & Co , for salt,.....	1 53
W. A. Ingham & Co., for oat meal,.....	1 32
Coburn & Smith, for mineral salt,.....	6 13
E. W. Clark, for oil and wicks,.....	1 61
F. Spofford, for oil and oat meal,	7 47
Miller Bros., for oat meal,.....	20
A. C. Wright & Co., for mustard,	1 80
Nichols & Fletcher, for powder, fuse, baskets and oat meal,.....	35 05
S. N. Wood & Son, for mineral salt,.....	4 00
E. Duren, for labor of men and teaming,..	166 88
Ira Hartwell, for labor,.....	129 00
D. S. & G. F. Richardson, for legal services in case of Mrs. Gorman vs. City of Lowell,.....	200 00
J. F. McEvoy, for cash paid witness fees in case of Gorman vs. City of Lowell,	10 00
C. A. F. Swan, for cash paid costs, services, and for plan in case of Smithson vs. City of Lowell,.....	131 33
Burnham & Davis, for medical attendance,	20 00
Walter Burnham, for services as medical expert and witness in case of Catherine Gorman vs. City of Lowell,.....	25 00
William Bass, for services as medical expert and witness in case of Catherine Gorman vs. City of Lowell,.....	25 00
G. W. Pearson, for services as appraiser,..	5 00
W. H. Wiggin, for labor and services as appraiser,.....	6 62
Merrill & Calef, for labor,.....	14 00
H. F. Howe, for labor,.....	16 50

Amounts carried forward,..... \$6,609 73 \$145,991 33

Amounts brought forward,..... \$6,609 73 \$145,991 33

Paid for SUNDRIES :

To H. O. Morse, for horse and carriage for City Messenger,.....	7 00	
G. W. Norris, for horse and carriage for City Solicitor,.....	2 00	
F. H. Penniman, for teaming,.....	114 00	
Charles Chamberlain, for sawing wood,....	5 88	
Timothy Sullivan, for sawing wood,.....	74 63	
J. W. Trumbull, for keys,.....	50	
A. S. Brown, for teaming,.....	18 00	
B. N. Pollard, for teaming,.....	51 00	
D. McCarthy, for teaming,.....	1 50	
E. C. Haynes, for labor,.....	20 00	
James Glazier, for board of Bridget Cotter, Buff & Berger, for Transit with case and tripod,.....	18 00	
	300 00	
Folsom & Tucker, for bleached cotton,....	3 75	
Davis, Melendy & Sargent, for sawdust,...	1 27	
J. W. Bennett, for labor, tar and teaming,	12 80	
Samuel Convers, for use of wagon,.....	3 00	
Francis Jewett, for cash paid board of Bridget Cotter,.....	6 00	
John C. Woodward, for cash paid for broom stuff,	7 35	
	<hr/>	7,256 41
		<hr/>
		153,247 74
To amount of Superintendent of Public Buildings' bill for the year,.....	12 50	
	<hr/>	12 50
*Whole expenditures for the year,.....		153,260 24
Balance undrawn January 1, 1875,.....		24,146 99
		<hr/>
		\$177,407 23
		<hr/>

*From this deduct the amount paid for Land and Buildings for opening a new street and the extension of others,.....

\$17,438 02

Deduct amount of Superintendent of Streets' bills, charged to various Appropriations and Accounts,

21,094 21

38,532 23

Making the actual expenditures for ordinary purposes of Roads and Bridges,.....

\$138,875 00

RESERVED FUND.

Balance undrawn January 1st, 1874,	\$218 56	
	\$218 56	\$218 56

RECEIPTS.

*Received into the Treasury from various sources,	16,006 01	
	16,006 01	16,006 01
		\$16,224 57

EXPENDITURES.

Paid for LABOR :

To John Abbott,	20 00	
John Biggs,	931 50	
George Barnes,	4 50	
Patrick Burns,	12 69	
A. B. Carle,	939 00	
H. H. Carle,	241 90	
William Clifford,	20 25	
Stephen Clark,	26 25	
M. B. Caswell,	31 06	
James Coffin,	81 25	
W. H. Develin,	687 50	
John Donahoe,	609 25	
<i>Amount carried forward,</i>	<i>\$3,605 15</i>	

*See pages 6, 7 and 8.

Amount brought forward,..... \$3,605 15

Paid for LABOR:

To H. H. Dickey,.....	22 63	
Joseph Field,.....	638 00	
Eliza Freeman,.....	124 00	
Merritt R. Freeman,.....	127 00	
James H. Hoyt,.....	725 62	
F. R. Hoyt,.....	376 74	
L. G. Howe, Jr.,.....	231 74	
Charles Harrison,.....	9 00	
Frederick Hemenway,.....	4 50	
D. P. Hicks,.....	26 25	
M. P. Hobbs,.....	15 13	
James Gillett,.....	11 87	
Dennis Kohawn,.....	544 25	
Daniel Jacobs,.....	31 50	
George W. Jockow,.....	24 75	
A. H. Livermore,.....	598 00	
L. P. Little,.....	534 00	
Charles F. Lane,.....	720 00	
Charles T. Lund,.....	20 40	
William T. Lewis,.....	12 50	
Michael Lally,.....	203 44	
Job Moody,.....	663 75	
Patrick Quinn,.....	577 51	
L. H. Quimby,.....	576 00	
Daniel Reynolds,.....	664 00	
Aaron Scadding,.....	420 00	
W. M. Stevens,.....	23 00	
B. A. Smith,.....	24 06	
A. J. Smith,.....	5 25	
W. S. Stockwell,.....	79 37	
Alden A. Usher,.....	15 00	
Albert Usher,.....	7 50	
Warren Fletcher,.....	860 00	
John McAleer,.....	867 50	
		<hr/>
		13,389 41

WASHINGTON'S BIRTHDAY:

To Lowell City Guards, for firing National Salute,.....	50 00	
Fred A. Burnham, for ringing bell at the Franklin School House,.....	50	
		<hr/>
		50 50
		<hr/>
<i>Amount carried forward</i> ,.....		\$13,439 91

Amount brought forward,..... \$13,439 91

MEMORIAL DAY, POST 42, GRAND
ARMY OF THE REPUBLIC:

To A. B. Farr, Commander, (per resolution,)..... 500 00
500 00

FOURTH OF JULY—PAID FOR SA-
LUTES, &c. :

To Lowell City Guards, for firing National Sa-
lute, 100 00
 F. W. Sherman, for ringing bell, 2 00
 American Brass Band, for services, 140 00
 Lowell Cornet Band, for services, 140 00
 Union Band, for services, 133 00
 B. M. Wedger, for exhibition of fireworks, 1,000 00
 W. H. Way, for music furnished at chil-
dren's entertainment, 221 65
 Estate of C. W. Rugg, for rent of piano, .. 8 00
 H. R. Barker, for amount allowed by com-
mittee for horse race, 300 00
 James A. Loughlin, for amount allowed by
committee for barrel jumping, 35 00
 A. L. Ready, for use of tent for fireworks, 3 00
 C. H. Fletcher, for use of horse and wagon, 2 00
 William Roberts, for teaming, 14 25
 James Leach, for teaming 3 00
 Michael Brady, for teaming, 3 75
 Stone, Huse & Co., for printing, 30 00
 Hunt Bros., for printing, 9 00
 Knapp & Morey, for printing and adver-
tising, 16 25
 Marden & Rowell, for advertising, 6 25
 W. S. Simons, for posting programmes, ... 4 00
 Appropriation for Roads and Bridges, for
labor, 7 40
2,178 55

Paid MEASURER OF WOOD AND
BARK, AND SUPERINTENDENT OF
CITY SCALES:

To Sydney Davis, Measurer, (salary,) 800 00
 Sidney Davis, Superintendent, (salary,)... 200 00
1,000 00

Amount carried forward,..... \$17,118 46

Amount brought forward, \$17,118 46

Paid WARD OFFICERS :

To S. D. Gordon, for services as Clerk, Ward 1, 1874,.....	10 00
W. H. Hard, for services as Inspector, Ward 1, 1873,.....	3 00
W. H. Emery, for services as Inspector, Ward 1, 1873,.....	3 00
W. H. Emery, for services as Inspector, Ward 1, 1874,.....	6 00
L. L. Perrin, for services as Inspector, Ward 1, 1874,.....	6 00
Edwin Lamson, for services as Warden, Ward 2, 1874,.....	10 00
R. L. Read, for services as Clerk, Ward 2, 1874,.....	10 00
John S. D'Evelyn, for services as Inspector, Ward 2, 1874,.....	3 00
W. A. Read, for services as Inspector, Ward 2, 1874,.....	6 00
J. L. Sargent, for services as Inspector, Ward 2, 1874,.....	3 00
Leroy S. Vinton, for services as Inspector, Ward 2, 1874,.....	3 00
E. W. French, for services as Warden, Ward 3, 1873,.....	5 00
Alvin Lawrence, for services as Warden, Ward 3, 1874,.....	10 00
M. F. Brennan, for services as Inspector, Ward 3, 1873,.....	3 00
E. W. French, for services as Inspector, Ward 3, 1874,.....	3 00
L. W. Huntington, for services as Inspector, Ward 3, 1874,.....	3 00
A. H. Benner, for services as Clerk, Ward 3, 1873,.....	5 00
A. H. Benner, for services as Clerk, Ward 3, 1874,.....	10 00
Horace E. Moody, for services as Inspector, Ward 3, 1874,.....	6 00
R. H. Tyler, for services as Inspector, Ward 3, 1874,.....	3 00
E. P. Dennis, for services as Clerk, Ward 4, 1873,.....	5 00
E. P. Dennis, for services as Clerk, Ward 4, 1874,.....	10 00

Amounts carried forward, \$126 00 \$17,118 46

Amounts brought forward,..... \$126 00 \$17,118 46

Paid WARD OFFICERS :

To Charles D Colson, for services as Inspector, Ward 4, 1874,.....	6 00	
A. D. Puffer, for services as Inspector, Ward 4, 1874,.....	6 00	
A. C. Russell, for services as Inspector, Ward 4, 1874,.....	6 00	
W. A. Fifield, for services as Warden, Ward 5, 1874,.....	10 00	
E. Hills, for services as Clerk, Ward 5, 1874,.....	10 00	
W. A. Stiles, for services as Inspector, Ward 5, 1874,.....	6 00	
J. S. Lapierre, for services as Inspector, Ward 5, 1874,.....	6 00	
E. B. Pierce, for services as Warden, Ward 6, 1873,.....	5 00	
W. W. Clark, for services as Warden, Ward 6, 1874,.....	10 00	
A. D. Wright, for services as Clerk, Ward 6, 1874,.....	10 00	
F. B. Wright, for services as Clerk, Ward 6, 1873,.....	5 00	
William King, for services as Inspector, Ward 6, 1873,.....	3 00	
Edmund Lovejoy, for services as Inspector, Ward 6, 1873,.....	3 00	
Asa W. Mead, for services as Inspector, Ward 6, 1873,.....	3 00	
Willis Farrington, for services as Inspector, Ward 6, 1874,.....	6 00	
Asa W. Mead, for services as Inspector, Ward 6, 1874,.....	6 00	
W. H. Halstead, for services as Inspector, Ward 6, 1874,.....	6 00	
		<hr/> 233 00

Paid for SUNDRIES :

To S. G. Cressey, for ascertaining number of births in 1873,.....	39 20	
J. M. Howe, for ascertaining number of births in 1873,.....	46 60	
Joel Powers, for ascertaining number of births in 1873.....	37 20	

Amounts carried forward,..... \$123 00 \$17,351 46

<i>Amounts brought forward</i> ,.....	\$123 00	\$17,351 46
Paid for SUNDRIES :		
To T. W. Ruddock, for engrossing city charter,	16 00	
F. P. Coggeshall, for blank books and stationery,.....	86 72	
J. Merrill & Son, for directories and stationery,.....	31 20	
H. C. Church, for mop waste and stationery,	65 42	
Bachelor, Dumas & Co., for blank books,.	29 00	
Frederick Small, for stamps, repairing stamps and ribbons,.....	39 75	
J. S. Brown, for cash paid for repairing stamps,.....	2 15	
G. Gardner, for cash paid express on stamps,.....	45	
Appropriation for Schools, for heating First Congregational Church, &c.,.....	171 28	
Appropriation for Roads and Bridges, for moving buildings, labor, fuel, engineering services, &c.,.....	3,197 30	
Appropriation for Water Works, for use of water at City Carpenter Shop, Jackson Hall and City Government Building,..	69 00	
S. A. McPhetres, for making copies of city charter, expressage, postage stamps, pens, &c.,.....	41 77	
John H. McAlvin, for cash paid City Treasurer and Collector for estate purchased by him in behalf of the City of Lowell for non-payment of sewer assessment on Howard street, &c.,.....	77 17	
John H. McAlvin, for cash paid for express charges, postage stamps, recording deeds, affidavits, &c.,.....	204 55	
John H. Nichols, for cash paid for postage stamps, expressage, rent of box in Post Office, telegrams, washing towels, labor cleaning Government Building, matches, soap, &c.,.....	104 45	
U. S. Bunting Co., for flags,.....	94 50	
Abbott, Eames & Co., for material and making badges,.....	14 00	
Folsom & Tucker, for flannel,.....	93	
Keyes & Wightman, for towels,.....	3 00	
French & Puffer, for ewer and basin,.....	1 62	
Frost & Howard, for brooms,.....	6 00	
<i>Amounts carried forward</i> ,.....	\$4,379 26	\$17,351 46

<i>Amounts brought forward,.....</i>		\$4,379 26	\$17,351 46
Paid for SUNDRIES :			
To Nichols & Fletcher, for matches and sapolio,	2 27		
C. B. Coburn & Co., for oil, wicking, brush and sponge.....	3 46		
Jonathan Kendall, for naptha and filler,..	55		
Fiske & Spaulding, for re-hanging pictures,	3 25		
H. R. Barker & Co., poreclain shades, chim- neys, lighter and tapers,.....	7 40		
S. G. Mack & Co., for coal hod and pail,..	1 90		
Jacob Rogers & Co., for ice chisel and measuring rod,.....	3 50		
Charles E. Adams, for nails,.....	50		
George Thatcher, for cleaning clocks,.....	2 00		
A. L. Brooks & Co., for lumber and sawing,	6 03		
A. Bachelder & Co., for shavings and saw- dust,.....	3 00		
Carleton & Hovey, for brush, comb and chloride zinc,.....	13 05		
Daniel Gage, for ice,.....	22 30		
B. M. Wedger, for rockets,.....	5 00		
G. W. Coburn, for serving notice on Town of Tewksbury,.....	4 00		
Francis Jewett, for cash paid expenses relating to annexation of Tewksbury and Dracut, and of Committee to rail- road hearing, &c.,.....	105 10		
F. H. Harris, for collation and rent of hall,	13 65		
Nichols & Hutchins, for refreshments,....	40 00		
Merrimack House, for entertainment of Committee on Annexation,	27 00		
H. O. Morse, for carriages for Committee on Annexation,.....	60 00		
H. O. Morse, for horse and carriage hire,..	59 70		
G. W. Norris, for carriage hire,.....	5 00		
G. W. Norris, for coaches at funeral of George Gardner,.....	30 00		
Luther Kittredge & Son, for labor and stone at burying ground,.....	61 93		
Joseph Donnelly, for labor,.....	4 00		
Ira Caverly, for services appraising build- ings,.....	5 00		
O. N. Huse, for labor in burying grounds,	165 00		
Charles F. Riley, for services and use of boat,.....	4 00		
Samuel Spaulding, for cleaning carpets, &c.,	10 00		
<i>Amounts carried forward,.....</i>	\$5,047 85	\$17,351 46	

Amounts brought forward,..... \$5,047 85 \$17,851 46

Paid for SUNDRIES:

To Warren Fletcher, for cash paid for cleaning Jackson Hall,.....	6 25	
James Marren, for amount paid City Treasurer for land, Lots 9 and 10, Whipple Place, Lawrence street, expenses on same, and costs of re-conveying to the Proprietors of Chase Mills, the rightful owners,.....	30 50	
S. N. Harris, for amount paid City Treasurer for land, Lots 290 and 291, on Ayer's plan, north side of Manchester street, including costs, interest and expenses, the title of same proving defective,.....	21 00	
John Fryar, for amount paid by Hugh O'Neil, over and above taxes of 1873 and costs, on lot of land situated on south side of Manchester street,.....	13 66	
C. L. Palmer, for amount paid by S. N. Harris, over and above taxes of 1873 and costs, on estate of said Palmer,....	25 31	
Mary Hollroyde, for amount paid by Hugh O'Neil, over and above taxes of 1873 and costs, on estate of John Welch, and now refunded to the owner of said estate,	67 28	
Boston & Lowell and Nashua & Lowell Railroad Co's Express Parcel Department, for transportation of City Documents,	6 90	
Meserve & Co's Express, for transportation,.....	35	
Michael Brady, for teaming,.....	2 25	
William Roberts, for teaming,.....	2 00	
A. L. Waite, for watering streets,.....	13 00	
A. E. Richardson, for use of Fair Grounds for military companies,.....	100 00	
Lowell Five Cent Savings Bank, for burglar proof safe,.....	300 00	
		5,636 35
		22,987 81
<i>Amount carried forward</i> ,.....		\$22,987 81

<i>Amount brought forward,.....</i>		\$22,987 81
Deduct amount of Superintendent of Public Buildings' bills, charged to the follow- ing appropriations, viz :		
For Schools,.....	6,724 94	
School Houses,.....	2,324 53	
Roads and Bridges,.....	12 50	
Paupers,.....	201 20	
Police,.....	12 00	
Fire Department,.....	421 58	
Commons,.....	171 56	
Repairs of Public Buildings,.....	1,418 21	
Water Works,.....	27 13	
Health Account,.....	284 32	
	<hr/>	11,597 97
Making the actual expenditure for the year 1874,.....		11,389 84
Balance undrawn January 1, 1875,.....		4,834 73
		<hr/>
		\$16,224 57

PAUPERS.

Balance undrawn January 1st, 1874,.....	\$4,735 64	
Appropriated and assessed in 1874,.....	16,000 00	
	<u> </u>	20,735 64

RECEIPTS.

*Received into the Treasury from various sources,	9,978 71	
	<u> </u>	9,978 71
		<u> </u>
		<u>\$30,714 35</u>

EXPENDITURES.

To Lorenzo Phelps, Superintendent of the Almshouse and Farm,.....	1,500 00	
William A. Lang, Chaplain and Teacher of Reform School,.....	1,000 00	
A. M. Gray, Clerk, &c.,.....	77 77	
Nicholas Peirce, for labor,.....	400 00	
John P. Eaton, for labor,.....	270 00	
Richard B. Tobie, for labor,.....	337 00	
H. S. Phillips, for labor,.....	20 70	
Charles T. Haskell, for labor,.....	43 50	
John Patnaud, for labor,.....	49 50	
Maria M. Mooney, for labor,.....	260 00	
Charlotte Kitchen, for labor,.....	132 00	
Ella Wright, for labor,.....	24 00	
	<u> </u>	4,114 47
<i>Amount carried forward,.....</i>		<u>\$4,114 47</u>

*See pages 9, 10 and 11.

<i>Amount brought forward,</i>		\$4,114 47
Paid for GROCERIES, GRAIN, MEAT, &c., USED AT THE ALMSHOUSE:		
To Coggin, Kidder & Co., for flour,.....	1,061 00	
Dodge, Sherburne & Co., for grinding rye,	56	
William E. Livingston, for flour, meal and feed,	656 10	
Page, Kidder & Co., for flour,.....	616 00	
Stiles, Rogers & Co., for flour and meal,..	79 54	
Peabody & Richardson, for flour,.....	8 50	
Samuel N. Wood & Son, for grain and feed,	384 95	
Litchfield & Co., for beans and flour,.....	136 35	
Martin Morris, for flour, crackers and baking,	418 25	
Michael Corbett, for beef,.....	173 30	
J. Dollard, for beef,.....	58 00	
Daniel S. Gray, for provisions,.....	216 64	
Hunt & Wilder, for salt, &c.,.....	26 65	
E. C. Rice, for provisions,.....	180 83	
J. A. G. Richardson, for beef,.....	18 85	
J. L. Sargent, for provisions,.....	128 61	
J. L. Sargent & Son, for beef,.....	30 17	
E. F. Wilder & Co, for beef,.....	64 40	
A. F. Wright & Co., for provisions,.....	135 29	
S. Harnden, for fish,.....	15 94	
Knowles, Freeman & Co., for fish,.....	230 00	
William Calderwood, for tobacco, &c.,....	171 70	
Coburn & Smith, for groceries,.....	38 17	
Gibson Bros., for groceries,.....	16 14	
S. G. Lyford, for groceries,.....	5 95	
Nichols & Fletcher, for groceries,.....	215 14	
A. D. Puffer & Co., for groceries,.....	3 78	
R. Simpson, for groceries,.....	29 88	
Union Oil Company, for soap,.....	42 70	
Wason, Pierce & Co., for tea,.....	20 78	
Wadley, Spurr & Co., for molasses,.....	242 54	
A. Wheeler, for groceries,.....	80 44	
J. Henry Read, for cider,.....	9 00	
S. P. Perham, for making cider,.....	16 98	
Daniel Gage, for ice,.....	16 31	
Boston & Lowell and Nashua & Lowell Railroad Co., for freight on groceries,..	9 68	
		5,559 12
<i>Amount carried forward,</i>		\$9,673 59

Amount brought forward,..... \$9,673 59

Paid for GROCERIES FURNISHED SUN-
 DRY PERSONS ON ORDERS FROM
 THE OVERSEERS OF THE POOR:

To Coburn & Smith,.....	11 00	
F. H. Chandler & Co.,.....	37 33	
Fiske & Blood,.....	5 00	
Gibson Bros.,.....	5 78	
M. Hemenway,.....	99	
Miller Bros.,.....	2 00	
A. D. Puffer & Co.,.....	3 00	
Russell & Cheney,.....	3 72	
M. Tierney,.....	5 00	
C. K. Russell,.....	15 50	
Worthen & Coburn,.....	16 00	
J. P. Ward,.....	5 00	
E. B. Worthen & Co.,.....	3 00	
	<hr/>	113 32

Paid for NURSING AND BOARDING
 PERSONS OUT of the ALMSHOUSE:

To State Lunatic Hospital, (Worcester,) for support of George F. Lawrence, James Hoyle, Caroline M. Prescott, Louisa Parker, Joseph Carpenter, Laurena Boorn, Josephine B. McCarty, Angie A. Brown, Mary Casey, Nathan C. Morse, Ellen Golding, Michael Welch, Nancy Peabody, Elizabeth Gibbons, Edward Kneeland, Susanna Hellewell, Wilfred L. Fitts, Rachael Robertson, Roxanna Robinson and Mary Ann Ray,	3,122 86	
State Lunatic Hospital, (Taunton,) for sup- port of Charles R. Watts, Michael Sullivan, John Garmon, Enoch L. Lewis, James Lowe, Michael F. O'Brien, Elizabeth H. Foster and John Conant,	1,645 26	
Commonwealth of Massachusetts, for sup- port of Roxanna Putnam at Lunatic Hospital, (Worcester,).....	21 00	
State Industrial School for Girls, (Lan- caster,) for support of Lizzie A. Duri- vage, Emma Spooney, Rachael Hay, Elizabeth Shute, Delia Conley and Ellen Roarke,.....	199 12	
	<hr/>	<hr/>
<i>Amounts carried forward</i> ,.....	\$4,988 24	\$9,786 91

<i>Amounts brought forward.....</i>	\$4,988 24	\$9,786 91
Paid for NURSING AND BOARDING PERSONS OUT of the ALMSHOUSE:		
To State Reform School, (Westborough,) for keeping John Devine, Charles H. Lov- ett, Albert Johnson, Edward A. Butter- field, Matthew McCormick, Patrick Flanagan, Edward Fallen and James Kennedy,.....	247 19	
Lowell Hospital, for board and medical attendance of Almorán Emery, Eva Carr, Jennie Fowler, Maria Fowler, John A. Sylvester and William A. Pat- terson,.....	204 30	
St. John's Hospital, board and medical attendance of Daniel Gilligan,.....	36 00	
County of Essex, for support of prisoners at the House of Correction,.....	17 43	
C. J. Adams, for support of prisoners in the House of Correction, (Middlesex County,)	41 71	
City of Boston, for aid rendered John Cal- lahan, Robert Gannon, Thomas Mooney, Michael McNamara, Bridget O'Brien, Daniel Sexton, Catherine Sexton, Sarah Shehan, Hannah K. Stevens, Joanna Stevens, George B. Wood, Charles F. Reynolds, John Hyde, Patrick Garrity, Joanna O'Sullivan and Jane Pottle,...	441 04	
City of Cambridge, for support and medi- cal attendance of Benjamin Wilde,...	6 85	
City of Charlestown, for aid rendered George H. Shepherd, James Hanson and Bridget Gallagher,.....	100 35	
City of Fall River, for aid rendered Michael Haggerty,.....	20 00	
City of Lawrence, for aid rendered Mrs. John W. McDonald, Mrs. Daniel J. Lynch, Mrs. Mary Hannaford, Michael Langan, Mrs. William Hefferon, Mrs. Ira B. White, Peter Bradley, Mrs. Michael Bradley, Julia Kincaid, Arthur J. Killen, H. D. Nichols and Charles Racicot,.....	122 14	
City of Lynn, for aid rendered Nellie C. Moore,.....	112 25	
<i>Amounts carried forward,.....</i>	\$6,337 50	\$9,786 91

<i>Amounts brought forward,.....</i>	\$6,337 50	\$9,786 91
Paid for NURSING AND BOARDING PERSONS OUT of the ALMSHOUSE:		
To City of Salem, for aid rendered Bridget Clark,.....	38 28	
City of Springfield, for aid rendered Timo- thy J. Dacey,.....	2 75	
City of Taunton, for board and medical attendance of Peter Curran,.....	281 41	
Town of Hanson, for aid rendered and medical attendance of John H. Wil- lard and wife,.....	28 00	
Town of Harvard, for support and medical attendance of Mrs. Olive Thornton,...	312 00	
Town of Melrose, for aid rendered family of Daniel Aiken,.....	45 00	
Edward Brickett, for board and nursing of Mary J. Nolan,.....	18 00	
Emily Brocher, for board and nursing of Eliza Critchly,.....	4 00	
Lizzie Cole, for board and nursing of Mary Sanders,.....	18 00	
William P. Ellis, for board of Samuel Randall,	87 43	
Elizabeth Griffin, for nursing Elizabeth Chapman,.....	2 00	
S. A. Marshall, for board and nursing of Ella Burns,.....	18 86	
George W. Miller, for board and nursing of Frank Miller,.....	6 00	
Hannah L. Rollins, for board and nursing of Eleazer Russell,.....	64 00	
George W. Roper, for nursing C. C. Mor- gan,.....	60 00	
Susan Shannon, for assistance rendered Mrs. Swift,.....	3 00	
Elizabeth Spellman, for board and nursing of Mary Dawson,.....	13 72	
Charles F. Uran, for board and nursing of Elizabeth Fickett,.....	10 00	
Charles Knapp, for monthly assistance in cash,	144 00	
Margaret Quinn, for monthly assistance in cash,.....	60 00	
Burnham & Davis, for medical attendance on Jeremiah Cullity,.....	10 00	
<i>Amounts carried forward,.....</i>	<hr/> \$7,563 95	<hr/> \$9,786 91

<i>Amounts brought forward</i> ,.....		\$7,563 95	\$9,786 91
Paid for NURSING AND BOARDING PERSONS OUT of the ALMSHOUSE :			
To D. P. Gage, for medical attendance in case of Mrs. Breen,.....	4 00		
George E. Pinkham, for professional ser- vices,.....	3 00		
F. C. Plunkett, for medical attendance on Bridget Hunt and child,.....	3 60		
Hermon J. Smith, for professional services,	176 14		
Joseph H. Smith, for professional services,	12 00		
A. Thompson, for attendance on Mary Sanders,.....	5 00		
			7,767 69
Paid for CLOTHING, DRY GOODS, BOOTS, SHOES, LEATHER, &c.:			
To Folsom & Tucker, for dry goods,.....	228 01		
H. Hosford & Co., for dry goods,.....	435 44		
William Walker & Co., for cloth,.....	164 49		
W. P. Brazer & Co., for mittens,.....	9 00		
Putnam & Son, for caps,.....	60 00		
D. L. Dimock, for leather and findings,....	141 23		
Josiah Gates & Sons, for leather,.....	12 12		
Mary C. Lynch, for clothing,.....	6 75		
H. Wright, for shoes,.....	2 00		
			1,059 04
Paid for COFFINS, INTERMENTS, &c. :			
To Terence Hanover,.....	137 00		
J. W. Brooks,.....	85 50		
C. T. Chamberlain,.....	39 00		
J. B. Currier,.....	15 50		
			277 00
Paid for SUNDRIES :			
To A. W. Buttrick, for examinations and cer- tificates in insane cases,.....	4 00		
Joseph H. Smith, for examinations and cer- tificates in insane cases,.....	28 00		
Francis Jewett, for cash paid expenses of committee to Worcester and Taunton, to visit State Lunatic Hospitals,.....	56 90		
<i>Amounts carried forward</i> ,.....	\$88 90	\$18,890 64	

Amounts brought forward,..... \$88 90 \$18,890 64

Paid for SUNDRIES :

To Albert M. Gray, for expenses incurred investigating cases of paupers and making report to Board of State Charities,....	23 00
Lorenzo Phelps, for expenses incurred investigating cases of paupers, returning escaped convicts, postage stamps, newspapers, and dog license,	27 85
John H. Nichols, for railroad fares, &c.,..	50 12
E. P. Woods, for cash paid expenses to Worcester, to investigate case of W. L. Fitts,.....	4 50
C. B. Coburn & Co., for oil, paint, shellac, varnish, sponge, India rubber sheeting, &c.,.....	82 57
Fiske & Spaulding, for paint, oil, brushes, glass, glue, &c.,.....	220 39
A. P. Quimby, for labor, painting and colors,	201 39
Fielding & Bartlett, for hardware and seeds,	82 37
Jacob Rogers & Co., for hardware,.....	14 14
H. R. Barker & Co., for pump, labor, &c.,	12 27
William DeWolf, for fountain pumps and fire extinguishers,.....	20 00
T. Costello & Co., for lead pipe, copper, pails, repairing stove, &c.,.....	61 08
S. G. Mack & Co., for boiler, stove pipe, repairing stove, &c.,.....	67 45
J. W. Nash & Co., for pitcher and jets,..	3 85
N. J. Wier & Co., for stove, pails, repairing and cleaning furnace, &c.,.....	38 05
H. H. Wilder & Co., for stove pipe, solder, labor, &c ,.....	18 60
John Butcher, for iron,.....	80
J. C. Jockow, for hinges,.....	10 20
Dodge, Gilbert & Co., for axles and iron,..	35 47
D. Lovejoy & Son, for forging two doors,..	11 00
E. H. Marshall, for hinges, repairing plow, &c.,.....	6 98
J. A. Brabrook, for brush, comb, halter, repairing harnesses, &c.,.....	13 35
Samuel Convers, for wagon, repairing carriages, &c.,.....	292 91
M. V. B. Libby, for horseshoeing,.....	77 90
Charles Proctor, for wheels, iron tire, labor, &c.,.....	38 00

Amounts carried forward,..... \$1,503 14 \$18,890 64

Amounts brought forward,..... \$1,503 14 \$18,890 64

Paid for SUNDRIES :

To A. L. Brooks & Co., for lumber,.....	47 95
Howes & Burnham, for lumber,.....	157 70
H. & A. Whitney, for lumber,.....	60 95
William Kittredge, for wood and coal,....	11 67
William E. Livingston, for lime, plaster and cement,.....	14 17
S. Simons, for wood,.....	379 25
Adams Chamberlain, for posts,.....	28 50
Alfred Barney, for brooms, pails and bas- kets,.....	11 50
J. M. Hoar, for whetstones,.....	75
Benner Bros., for furniture, door mats, oil cloth, &c.,.....	44 69
French & Puffer, for crockery, glass ware, &c.,.....	54 52
Henry Moulton & Co., for ladders,.....	22 50
H. A. & S. A. Coburn, for keeping cattle, and oats,.....	22 00
C. F. Blanchard & Co., for drugs and medi- cine,.....	2 15
Carleton & Hovey, for drugs,.....	12 18
C. R. Kimball, for drugs and medicine,...	16 15
F. P. Coggeshall, for school books,.....	5 93
Henry C. Church, for stationery,.....	1 65
Joshua Merrill & Son, for ink,.....	1 00
Brown & Chase, for printing,.....	6 50
Samuel Horn & Co., for scraps,.....	6 80
H. O. Morse, for carriage hire,.....	10 00
George W. Norris, for carriage hire, feed, &c.,.....	149 85
E. W. Hall, for fireworks,.....	25 42
Nichols & Hutchins, for refreshments, use of ware, &c.,.....	88 00
W. F. Pearson, for candy,.....	5 00
O. Blodgett, for labor, slaughtering, ma- nure, &c.,.....	121 25
G. W. Haines, for teaming,.....	2 00
W. H. True, for labor, whitewashing,....	92 00
H. R. Dearborn & Co., for trees,.....	124 00
W. P. Holt, for trees,.....	25 00
Town of Chelmsford, for taxes,.....	49 07
G. S. Butters, for horse,.....	250 00
J. S. Brown, for services appraising prop- erty at Almshouse, (1874,).....	5 00

Amounts carried forward,..... \$3,358 24 \$18,890 64

<i>Amounts brought forward,.....</i>	\$3,358 24	\$18,890 64
Paid for SUNDRIES :		
To Jason Fuller, for services appraising property at Almshouse, (1874,).....	5 00	
J. P. Maxfield, for services appraising property at Almshouse and recording same, (1874,).....	10 00	
Appropriation for Fire Department, for manure, wool-waste and filling reservoirs,.....	179 00	
Appropriation for Roads and Bridges, for fuel, manure, blacksmith work, &c.,...	2,658 49	
Appropriation for School Houses, for bolts, screws, lumber and paints,.....	39 01	
A. L. Waite, (on execution,).....	87 42	
	<hr/>	6,337 16
To amount of Superintendent of Public Buildings' bill for the year,.....	201 20	
	<hr/>	201 20
Whole expenditure for the year,.....		25,429 00
Balance undrawn January 1st, 1875,.....		5,285 35
		<hr/>
		\$30,714 35
		<hr/>

P O L I C E

Balance undrawn January 1, 1874,.....	\$7,529 86	
Appropriated and assessed in 1874,.....	40,000 00	
	<hr/>	\$47,529 86

R E C E I P T S .

*Received into the Treasury from various sources,	8,068 55	
Transferred from Corporation Tax Account,..	10,000 00	
	<hr/>	18,068 55
		<hr/> <hr/>
		\$65,598 41

E X P E N D I T U R E S .

Paid William H. Clemence, City Marshal, (salary,).....	1,800 00	
	<hr/>	1,800 00
Paid for SERVICES OF POLICE OFFICERS :		
To Jacob G. Favor, (Deputy Marshal,).....	1,188 38	
Theophilus C. Blaisdell, (Captain of the Night Police,)	1,196 50	
Squire L. Bailey,	1,035 63	
Allen P. Bickford,	935 25	
Otis Bullard,	974 88	
Andrew Blood,	979 25	
	<hr/>	
<i>Amounts carried forward,</i>	<i>\$6,309 89</i>	<i>\$1,800 00</i>

*See page 11.

Amounts brought forward,..... \$6,309 89 \$1,800 00

Paid for SERVICES OF POLICE OFFICERS:

To Levi Brown,.....	869 13	
John Buchanan,.....	918 75	
William L. Clark,.....	974 88	
Charles F. Cooper,.....	969 37	
Alfred Day,.....	1,017 51	
Asa F. Esty,.....	850 00	
John Dougherty,.....	977 62	
H. H. Fuller,.....	1,017 51	
William P. Farrington,.....	999 63	
Henry Farrington,.....	996 19	
Augustus B. Foss,.....	1,016 11	
David H. Goodhue,.....	1,009 25	
Frank Goodwin,.....	990 00	
Henry Garrison,.....	991 88	
Charles Howard,.....	1,021 63	
Thomas Ingalls,.....	960 00	
Patrick Kelley,.....	1,005 13	
Isaac L. Libby,.....	968 01	
Albert E. Libby,.....	1,005 13	
Charles C. Langley,.....	971 00	
William L. Lee,.....	1,016 13	
Henry Marshall,.....	400 12	
Benjamin G. Mooney,.....	1,002 38	
Frank N. Miles,.....	976 25	
John A. Meloy,.....	929 50	
Mason W. Presby,.....	936 38	
Alonzo Page,.....	997 13	
Thomas J. Sanborn,.....	1,017 52	
George W. Sanborn,.....	83 87	
Daniel H. Sinclair,.....	1,025 51	
Frank T. Thissell,.....	992 75	
John W. Tilton,.....	1,003 88	
Luke Veo,.....	1,009 25	
Thomas Walsh,.....	985 75	
James E. Webster,.....	1,032 63	
Levi H. Witham,.....	1,006 51	
Stephen L. Young,.....	1,002 64	
		<hr/>
		41,256 82

Paid POLICE JUSTICE:

To Nathan Crosby, for services as Police Justice in truant cases,.....	100 00	
		<hr/>
		100 00
<i>Amount carried forward</i> ,.....		<hr/>
		\$43,156 82

Amount brought forward,..... \$43,156 82

Paid for SPECIAL POLICE:

To William H. Adams,.....	146 75	
Stephen Bartlett,.....	58 63	
John Callahan,.....	329 32	
James Crowley,.....	229 64	
Daniel Crane,.....	274 32	
Moses Davenport,.....	191 66	
Michael Flynn,.....	338 26	
Jerome B. Gilbert,.....	440 08	
Dickson Greene,.....	60 62	
Daniel Hayes,.....	686 13	
William M. Locke,.....	79 51	
Orrison S. Lewis,.....	257 13	
William H. Lovejoy,.....	104 51	
Francis McQuade,.....	653 12	
John F. McCaffrey,.....	600 88	
John H. Ring,.....	340 33	
D. C. Robinson,.....	116 88	
Jacob R. Smith,.....	147 88	
Hermon N. Tilton,.....	796 65	
Henry M. Thompson,.....	202 67	
Gilbert Trueworthy,.....	25 70	
Alden A. Usher,.....	82 51	
Joseph R. Welch,.....	97 62	
Peter Watson,.....	316 27	
		6,577 07

Paid for SPECIAL POLICE for FOURTH
OF JULY, 1874:

To Patrick Aiken,.....	6 19	
Frank C. Beharrell,.....	6 19	
Claudius Bugbee,.....	6 19	
James Connelly,.....	6 19	
J. J. Donnelly,.....	6 19	
Charles L. Davenport,.....	6 19	
John Doherty,.....	6 19	
H. C. Daggett,.....	2 75	
George F. Emerson,.....	6 19	
Lawrence Farley,.....	6 19	
Patrick Fox,.....	6 19	
Patrick Gookin,.....	6 19	
William E. Howe,.....	6 19	
Nelson Holmes,.....	5 50	
Robert Johnson,.....	6 19	
		\$88 72
<i>Amounts carried forward</i> ,.....		\$49,733 89

<i>Amounts brought forward,.....</i>	\$88 72	\$49,733 89
Paid for SPECIAL POLICE for FOURTH OF JULY, 1874:		
To Terence Kelley,.....	6 19	
John La Mountain,.....	6 19	
Morse La Faille,.....	6 19	
Martin Madden,.....	6 19	
Fergus McOsker,.....	6 19	
Henry G. Mitchell,.....	6 19	
James McQuade,....	6 19	
Owen McGerrigan,.....	6 19	
Timothy Mahoney,.....	6 19	
Angus McKenzie,.....	6 19	
John P. McKeon,.....	6 19	
Charles McCusker,.....	6 19	
Frank Morris,.....	6 19	
Leonard T. Moody,.....	6 88	
Patrick O'Day,.....	6 19	
Albert L. Parsons,.....	4 13	
John P. Pearson,.....	5 50	
John C. Robinson,.....	6 19	
Charles U. Robinson,.....	6 19	
Chester E. Ryder,.....	6 19	
Samuel Thompson,.....	6 19	
Alvin Thompson,.....	6 19	
Charles F. Uran,.....	6 19	
Michael Walsh,.....	6 19	
		235 22

Paid for SUNDRIES:

To C. B. Coburn, for rent of Police Court Rooms to January 1st, 1875,.....	650 00	
Benjamin G. Mooney, for conveyance of persons to the State Lunatic Hospital, travelling expenses, &c.,.....	244 87	
Jacob G. Favor, for conveyance of prison- ers to House of Correction, travelling expenses, telegrams, stamps, &c.,.....	65 40	
Harrison H. Fuller, for conveyance of pris- oners to House of Correction, Jail, &c.,	203 57	
Alfred Day, for conveyance of prisoners to House of Correction, &c.,.....	69 52	
Henry Marshall, for cash paid expenses in larceny cases,.....	8 15	
<i>Amounts carried forward,.....</i>	\$1,241 51	\$49,969 11

<i>Amounts brought forward,.....</i>	\$1,241 51	\$49,969 11
Paid for SUNDRIES :		
To Otis Bullard, for cash paid for washing Police Station,.....	31 25	
Isaac L. Libby, for cash paid for washing Police Station and bedding, and feeding destitute persons,.....	42 17	
Squire L. Bailey, for conveyance of prisoners to House of Correction, travelling expenses, telegrams, &c.,.....	35 26	
William H. Clemence, for stamps and telegrams,.....	7 85	
Charles P. Bowles, for gold badge,.....	13 50	
Thomas A. Fletcher, for silver badge,....	4 00	
Jacob K. Chase, for silver badge,.....	4 00	
Waterbury Button Co., for buttons,.....	67 50	
William Whitmore, for badges, &c.,.....	9 75	
Massachusetts Cotton Mills, for silver badge,.....	4 00	
A. C. Wright & Co., for tea coffee, sugar, cheese and matches,.....	100 96	
Buttrick & Co., for cheese and matches,...	2 97	
S. A. Scripture & Co., for bread and crackers,.....	95 35	
G. J. & D. Bradt, for bread and crackers,.	67 89	
George Thatcher, for repairing clock and bell,.....	2 00	
Smith Adams, for soap,.....	13 50	
C. P. Talbot & Co., for chloride of lime,..	40	
John L. Powers, for labor, whitewashing, &c.,	63 13	
Gilbert Hamblett, for services appraising buildings,.....	5 00	
Elizabeth Griffin, for attendance on Elizabeth Chapman,.....	3 00	
Daniel Hayes, for travelling expenses, telegrams, expressage, &c.,.....	18 73	
S. G. Mack & Co., for chain, labor, &c.,...	8 22	
N. J. Wier & Co., for cleaning stove and pipe,.....	2 25	
H. H. Wilder & Co., for plumbing, tin cups, &c.,.....	12 75	
H. R. Barker & Co., for sink strainer, hook, iron, repairs, &c.,.....	4 80	
Jacob Rogers & Co., for zinc, locks and keys,.....	3 29	
Milton Aldrich, for police clubs,.....	3 25	
<i>Amounts carried forward,.....</i>	\$1,868 28	\$49,969 11

<i>Amounts brought forward</i> ,.....		\$1,868 28	\$49,969 11
Paid for SUNDRIES :			
To J. A. Brabrook, for handles to clubs,.....	2 51		
Alfred Barney, for tub,.....	1 75		
A. Sanborn & Co., for thermometer,.....	1 20		
Adams & Co., for feather duster,.....	4 00		
W. T. Bradley, for blankets and mattresses,	42 00		
Bacheller, Dumas & Co., for blank books,.	5 75		
F. P. Coggeshall, for books and stationery,	46 25		
Henry C. Church, for manila bags, envel- opes and ink,.....	5 30		
Joshua Merrill & Son, for blank books and stationery,.....	29 80		
Appropriation for Schools, for brushes,....	1 11		
Appropriation for Roads and Bridges, for fuel and labor,.....	301 32		
Appropriation for Water Works, for use of water,.....	25 00		
			2,334 27
To amount of Superintendent of Public Build- ings' bills for the year,.....	12 00		
			12 00
Whole expenditure for the year,.....			52,315 38
Balance undrawn January 1, 1875,.....			13,283 03
			\$65,598 41

FIRE DEPARTMENT.

Balance undrawn January 1st, 1874,.....	\$4,203 56	
Appropriated and assessed in 1874,.....	40,000 00	
	<u> </u>	\$44,203 56

RECEIPTS.

*Received into the Treasury from various sources,	1,553 76	
Transferred from Corporation Tax Account,..	6,000 00	
	<u> </u>	7,553 76
		<u> </u>
		<u>\$51,757 32</u>

EXPENDITURES.

Paid CHIEF ENGINEER AND ASSIST- ANT ENGINEERS:

To George Hobson, Chief Engineer, salary to January 1, 1875,.....	1,400 00	
Charles H. Arlin, Assistant Engineer, to November 1, 1874,.....	125 00	
Samuel W. Taylor, Assistant Engineer, to November 1, 1874,.....	125 00	
William W. Bates, Assistant Engineer, to November 1, 1874,.....	125 00	
Edward S. Hosmer, Assistant Engineer, to November 1, 1874,.....	125 00	
Hiram N. Hall, Assistant Engineer and Clerk for the Board of Engineers, to November 1, 1874,.....	150 00	
	<u> </u>	2,050 00
<i>Amount carried forward,.....</i>		<u>\$2,050 00</u>

*See page 12.

<i>Amount brought forward,,.....</i>		\$2,050 00
Paid to FIREMEN :		
To Firemen, for annual pay to November 1, 1874,	11,967 50	
		11,967 50
Paid for SERVICES AS DRIVERS AND STEWARDS OF STEAM FIRE ENGINES, &c. :		
To Charles A. Lord, No. 1,.....	248 00	
George Teel, No. 1,.....	506 00	
Henry Boynton, No. 2,.....	754 00	
George B. Whitney, No. 3,.....	754 00	
Halsie J. Foster, Hook and Ladder,.....	730 00	
Charles A. Lord, Horse Hose,.....	46 00	
		3,038 00
Paid for HAY, GRAIN, &c. :		
To Appropriation for Paupers, for hay,.....	144 15	
W. E. Livingston, for hay and grain,.....	205 61	
Stewart, Sherburne & Co., for hay,.....	27 84	
A. J. Trull, for hay,.....	26 25	
J. N. Trull, for hay,.....	230 10	
Samuel N. Wood & Son, for oats,.....	439 19	
Milton Fox, for carrots,.....	44 48	
George W. Norris, for hay and straw,.....	61 53	
		1,179 15
Paid for SUNDRIES :		
To Appropriation for Water Works, for service pipe, use of water and labor,.....	12,445 22	
Appropriation for Roads and Bridges, for coal, wood, horseshoeing, &c.,.....	506 93	
Appropriation for School Houses, for paints, oil, turpentine, varnish, shellac, lum- ber, nails, &c ,.....	141 87	
Appropriation for Schools, for rent, brooms, brushes, &c.,.....	153 40	
Appropriation for Repairs of Public Build- ings, for lumber, nails,lead, paints, &c ,	46 83	
Reserved Fund, for heating double Engine House for one year to January 1, 1875,	150 00	
George B. Whitney, for services as operator of Fire Alarm Telegraph,.....	192 50	
<i>Amounts carried forward,.....</i>	\$13,636 75	\$18,234 65

Amounts brought forward,..... \$13,636 75 \$18,234 65

Paid for SUNDRIES :

To Torrey E. Stratton, for services as operator of Fire Alarm Telegraph,.....	252 51
Torrey E. Stratton, for services as Engineer of Steamer No. 3,.....	125 00
Peter F. Webster, for services as Steward of Rocket Engine,.....	50 00
George Teel, for labor on pipe, &c.,.....	12 25
George R. Hussey, for labor on hydrants, &c.,	216 13
John F. Lord, for labor on hydrants, testing hose, &c.,.....	109 56
James E. Fitzgerald, for labor on water pipe,	3 50
Martin Coolidge, for labor on water pipe, hose, &c.,.....	313 25
W. A. Charters, for labor on hydrants, hose, &c.,.....	110 69
George L. Cady, for repairing Steamer No. 2,.....	10 50
E. L. Brown, for labor with steamer,.....	2 25
L. S. Kimball, for labor with steamer,....	2 50
H. W. Burton, for labor with steamer,....	2 50
J. J. Locke, for labor with steamer,.....	5 00
H. H. Wilder & Co., for pipe, zinc, coal hods, lanterns, labor, &c.,.....	46 24
James Wight, for hydrant chucks, couplings, hose pipe, nozzles, repairing hydrants, reducers, zinc, labor, &c.,...	139 79
Hallowell & Wight, for branch connections, repairing hydrants, labor, &c.,.....	9 25
S. P. Pierce, for copper,.....	6 00
T. R. Garrity & Co., for pipe couplings, sprinklers, hooks, hose, labor, &c.,....	76 85
H. R. Barker & Co., for repairing hydrants, couplings, gaskets, rubber packing, elbows, brackets, labor, &c.,.....	58 98
Matthias Mead, for stove, repairs, &c.,....	50 65
S. G. Mack & Co., for soap-stone, zinc, tin, lead pipe, labor, &c.,.....	19 06
D. H. Wilson & Co., for copper goose-neck, repairing suction, strainer, &c.,.....	21 65
Jacob Nichols, for stove,.....	5 50
Rice & Co., for rocker sifter,.....	1 25
Allen Fire Department Supply Co., for rubber discharge pipe and stop nozzles,...	58 00
Luther Richards, for fire extinguishers,...	120 00

Amounts carried forward,..... \$15,465 61 \$18,234 65

Amounts brought forward..... \$15,465 61 \$18,234 65

Paid for SUNDRIES :

To Fielding & Bartlett, for hardware,.....	7 81
Horace B. Shattuck, for hardware,.....	7 65
Jacob Rogers & Co., for stall partitions, drinking trough and hardware,.....	98 95
Charles E. Adams, for hardware,.....	2 98
E. B. Aldrich, for stove, zinc, iron, labor, &c.,	79 01
E. M. Carroll & Son, for lead pipe, la- bor, &c.,.....	2 60
Hunneman & Co., for link boxes,.....	20 00
Gamewell & Co., for automatic signal boxes, &c.,.....	524 00
Amoskeag Manufacturing Co., for hose car- riage,	660 00
John Butcher, for wrench and iron,.....	3 95
Pevey Bros., for castings and labor,.....	162 11
Cole & Nichols, for zinc castings,.....	85 68
Hamilton Manufacturing Co., for castings,	3 35
J. W. Trumbull, for keys, repairing locks, cleaning clocks, &c.,.....	3 30
Pawtucket Pad Co., for expanding pads,...	6 00
Parker & Cheney, for oak posts and labor,	33 50
H. & A. Whitney, for lumber,.....	7 52
Howes & Burnham, for lumber,.....	340 40
M. C. Pratt & Co., for lumber, moulding and doors,.....	37 28
William Kelley, for sash,.....	6 00
A. L. Brooks & Co., for lumber, planing and sawing,.....	79 23
A. Bachelder & Co., for wood and mould- ing,	12 50
Davis, Melendy & Sargent, for lumber,...	16 53
Michael Harmon, for whitewashing,.....	10 00
Bennett, Moulton & Co., for mason work,.	14 05
Warren C. Crosby, for pipe,.....	4 32
D. M. Prescott & Co., for mason work, teaming, &c.,.....	64 55
Josiah Russell, for mason work,.....	6 25
Rollins & Sargent, for mortar and lime,...	6 90
W. E. Livingston, for cement and sand,...	9 20
William Waugh, for slate, zinc and labor,.	9 64
J. G. Allen, for double harness,.....	85 00
J. A. Brabrook, for collars, repairing har- nesses, &c.,.....	75 22
S. L. Butman, for collars, whip, repairs &c.,	27 02

Amounts carried forward..... \$17,978 11 \$18,234 65

Amounts brought forward,..... \$17,978 11 \$18,234 65.

Paid for SUNDRIES :

To George H. Convers, for repairing carriages,	13 67
Samuel Convers, for painting, varnishing and repairing carriages,.....	330 72
Ross & Jewett, for repairing hose carriage,	25 00
Warren Clifford, for cleaning carpets, &c.,	34 70
James Dugdale & Son, for blankets,.....	32 00
A. M. & C. M. Wood, for hub and rim,...	2 25
C. White & Co., for horse brushes,.....	2 00
C. P. Talbot & Co., for vitriol, copperas and soda ash,.....	179 52
C. B. Coburn & Co., for paints, oil, ben- zine, varnish, brushes, shellac, &c.,...	37 93
Fiske & Spaulding, for paint, paper, dusters, labor, &c.,.....	120 70
Josiah Gates & Sons, for hose, leather, re- pairing hose, &c.,.....	4,679 50
William D. Cole, for hose oil and can,....	112 09
G. P. Palmer, for cleaning and polishing oil,.....	4 00
Alfred Barney, for brooms, pails, baskets and mop handles,.....	14 58
Benner Bros., for comforters and mat,.....	7 25
J. F. Puffer, for table and chairs,.....	59 00
W. T. Bradley, for mirror,.....	8 00
Cobb & Hilton, for blankets,.....	4 50
H. Hosford & Co., for blankets, crash and cotton,.....	25 90
F. P. Coggeshall, for books and stationery,	7 65
H. C. Church, for book and paper,.....	1 27
Joshua Merrill & Son, for book and paper,	3 25
Nichols & Fletcher, for mineral salt, soap and hops,.....	13 31
A. Sanborn & Co., for badges,.....	45 00
A. C. Stearns, for making and painting sign,.....	21 50
Robert Wood, for medicine and services as veterinary surgeon,.....	44 50
J. R. Hayes, for drugs,.....	4 00
Carleton & Hovey, for arnica,.....	6 00
N. A. Randlett, for boarding horses,.....	17 00
H. O. Morse, for boarding horses,.....	41 00
George W. Norris, for use of horse,.....	22 00
George S. Butters, for horse,.....	275 00
George S. Butters, for use of horse,.....	39 00

Amounts carried forward,..... \$24,211 90 \$18,234 65

Amounts brought forward,..... \$24,211 90 \$18,234 65

Paid for SUNDRIES :

To C. H. Fletcher, for use of horse,.....	24 00	
A. H. & J. H. Abbott, for horseshoeing, &c.,	6 25	
Fay & Burke, for horseshoeing,.....	3 00	
George Hobson, for cash paid expenses of Committees, labor, expressage, badge, wood and matches,.....	71 87	
A. F. Caswell, for cash paid expenses of Committee to Manchester,.....	6 60	
Frank H. Harris, for services as caterer, ..	295 75	
American Brass Band, for services at Fire- men's parade,.....	69 00	
Bird, Perkins & Job, for coal and cartage,	104 00	
Boston, Clinton & Fitchburg Railroad, for freight,.....	1 20	
Boston & Lowell and Nashua & Lowell Railroad Co., for freight on coal,	7 20	
Middlesex Co., for wool waste,.....	14 83	
Lowell Manufacturing Co., for wool waste,	7 88	
Isaac Deming, for waste,.....	25 61	
Israel Bent & Co., for wool waste,	6 00	
Lowell Felting Mills, for felt,.....	4 20	
G. E. Stanley, for trucking,.....	7 00	
Knowles Bros., for damage to awning,....	12 00	
Charles H. Kelley, for damage to horse,...	175 00	
Olive Swan, for land on Gorham street,...	2,882 00	
John H. McAlvin, for cash paid for record- ing deed of land purchased of Olive Swan,.....	65	
		<hr/>
		27,935 94
To amount of Superintendent of Public Build- ings' bills for the year,.....	421 58	
		<hr/>
		421 58
		<hr/>
Total expenditure for the year,.....		46,592 17
Balance undrawn January 1, 1875,.....		5,165 15
		<hr/>
		\$51,757 32
		<hr/>

SEWERS AND DRAINS.

Balance undrawn January 1st, 1874,.....	\$15,862 29	
Appropriated and assessed in 1874,.....	85,000 00	
	\$100,862 29	

RECEIPTS.

Received for SEWER ASSESSMENTS,&c.:

IN JANUARY.

Of John Welch, for sewer assessment,.....	9 99	
James Slavin, for sewer assessment,.....	122 35	
Thomas Mangan, for sewer assessment,....	123 14	
R. J. Plunkett, for sewer assessment,.....	78 57	
Heirs of M. McLaughlin, for sewer assessment,.....	81 64	
Mrs. Sydney Spaulding, for sewer assessment,.....	206 22	
Heirs of A. Marshall, for sewer assessment,	135 25	
George Ivers, for sewer assessment,.....	149 38	
John Norris, for sewer assessment,.....	87 41	
Richard Barry, for sewer assessment,.....	2 63	
Mrs. Ellen Powers, for sewer assessment,..	13 42	
S. N. Harris, for sewer assessment,.....	6 01	
Ann Masterson, for sewer assessment,.....	73 77	
Nathaniel Davis, for sewer assessment,....	180 72	
Nathaniel Davis. for sewer assessment,....	22 68	
Peter Mulvey, for sewer assessment,.....	10 90	
P. Donahoe, for sewer assessment,.....	38 51	
	1,342 59	
<i>Amount carried forward,.....</i>	<i>\$102,204 88</i>	

Amount brought forward,..... \$102,204 88

Received for SEWER ASSESSMENTS,&c.:

IN FEBRUARY.

Of Mrs. C. L. George, for sewer assessment,..	115 29	
F. E. Wolstenholme, for sewer assessment,.	37 77	
Appropriation for Water Works, for sewer assessment,.....	324 43	
Edward Cushing, for sewer assessment,....	62 01	
Heirs of John Pitt, for sewer assessment,.	12 92	
John Caulfield, for sewer assessment,.....	34 21	
Mrs. Hannah Whitney, for sewer assessment,.....	20 05	
H. F. Durant, for sewer assessment,.....	22 14	
		628 82

IN MARCH.

Of Zion Primitive M. E. Church, for sewer assessment,.....	26 80	
Mrs. Julia Fielding, for sewer assessment,	216 26	
Owen Lowney, for sewer assessment,.....	7 17	
James Biggs, for sewer assessment,.....	28 79	
W. H. Loughlin, for sewer assessment,....	45 69	
T. A. Sanborn, for sewer assessment,.....	9 36	
O. H. Moulton, for entering sewer in Oak street,	251 22	
		585 29

IN APRIL.

Of F. Carll, for sewer assessment,.....	59 81	
A. Perkins, for sewer assessment,.....	66 27	
Charlotte G. Tyng, for sewer assessment,..	25 12	
Matthews & Eaton, for sewer assessment,..	57 83	
E. Davis, for sewer assessment,.....	396 67	
Julius E. Fuller, for sewer assessment,....	26 55	
Solon Stevens, for sewer assessment,.....	32 01	
A. W. Dows, for sewer assessment,.....	96 22	
Daniel Gallagher, for sewer assessment,...	33 91	
John W. Smith, for sewer assessment,....	79 75	
J. E. Ryder, for sewer assessment,.....	38 54	
W. Manning, for sewer assessment,.....	185 14	
Mrs. Laura Frye, for sewer assessment,...	25 71	
B. N. Webber, for sewer assessment,.....	217 64	
H. P. Webber, for sewer assessment,.....	25 70	
Heirs of T. Kavanagh, for sewer assessment,.....	43 54	
<i>Amounts carried forward</i> ,.....	\$1,410 41	\$103,418 99

<i>Amounts brought forward,.....</i>	\$1,410 41	\$103,418 99
Received for SEWER ASSESSMENTS,&c.:		
Of A. Scadding, for sewer assessment,.....	46 11	
A. D. Puffer, for sewer assessment,.....	71 17	
	<hr/>	1,527 69

IN MAY.

Of Joseph Harrison, for sewer assessment,....	126 07	
John Dowling, for sewer assessment,.....	39 39	
John Wentworth, for sewer assessment,...	46 91	
John Flynn, for sewer assessment,.....	19 07	
John E. Ryan, for sewer assessment,.....	25 46	
M. A. Beard, for sewer assessment,.....	46 91	
Mrs H. Thornton, for sewer assessment,..	44 43	
William Mitchell, for sewer assessment,...	46 31	
Michael Brennan, for sewer assessment,...	174 15	
A. W. Bailey, for sewer assessment,.....	26 43	
Patrick Glynn, for sewer assessment,.....	14 00	
Thomas Benson, for sewer assessment,....	27 49	
Mrs. Mary Lee, for sewer assessment,.....	72 57	
L. W. Slade, for sewer assessment,.....	11 57	
A. G. Batchelder, for sewer assessment,...	23 11	
John O. Livingston, for sewer assessment,.	24 55	
Heirs of E. Sheldon, for sewer assessment,	41 62	
Daniel McCarty, for sewer assessment,....	8 63	
W. R. Batchelder, for sewer assessment,...	20 72	
	<hr/>	839 39

IN JUNE.

Of J. Donahoe, for sewer assessment,.....	34 35	
A. L. Clifford, for sewer assessment,.....	96 83	
D. W. Horne, for sewer assessment,.....	45 30	
W. W. Austin, for sewer assessment,.....	30 04	
D. H. Richardson, for sewer assessment,...	137 84	
L. M. Russell, for sewer assessment,.....	21 28	
William Seaver, for sewer assessment,.....	45 33	
W. H. Simons, for sewer assessment,.....	32 66	
E. B. Patch, for sewer assessment,.....	20 23	
John Shepard, for sewer assessment,.....	43 80	
J. H. Haskell, for sewer assessment,.....	11 09	
Alice Brown, for sewer assessment,.....	36 74	
Mrs. William Cooney, for sewer assessment,	28 28	
F. D. Aruda, for sewer assessment,.....	41 96	
R. Chatterton, for sewer assessment,.....	29 99	
R. Simpson, for sewer assessment,.....	130 36	
	<hr/>	
<i>Amounts carried forward,.....</i>	\$786 08	\$105,786 07

Amounts brought forward,..... \$786 08 \$105,786 07

Received for SEWER ASSESSMENTS,&c.:

Of F. Cressey, for sewer assessment,.....	33	59	
Appleton Co., for sewer assessment,.....	137	32	
E. J. Medina, for sewer assessment,.....	123	83	
N. J. N. Batcheller, for sewer assessment,.	46	91	
J. Stowell, for sewer assessment,.....	37	73	
H. M. Brown, for sewer assessment,.....	18	29	
Thorndike Manufacturing Co., for sewer assessment,.....	10	94	
J. E. Short, for sewer assessment,.....	51	76	
Eliza Thompson, for sewer assessment,....	45	66	
S. T. Fletcher, for sewer assessment,.....	91	46	
E. P. Sanborn, for sewer assessment,.....	63	23	
William Walton, for sewer assessment,....	55	28	
J. Chamberlain, for sewer assessment,.....	111	89	
B. Rushworth, for sewer assessment,.....	54	95	
J. G. Buttrick, for sewer assessment,.....	15	99	
Martha G. Hanson, for sewer assessment,.	41	79	
L. Holt, for sewer assessment,.....	25	12	
L. Chamberlain, for sewer assessment,....	42	32	
H. A. Whitney & Co., for sewer assessment,	107	66	
R. Noonan, for sewer assessment,.....	125	50	
Heirs of J. P. Dudley, for sewer assessment,	46	75	
Mrs. G. E. Leonard, for sewer assessment,	33	95	
Mary Tully, for sewer assessment,.....	36	51	
B. Lederer, for sewer assessment,.....	32	83	
B. F. Stevens, for sewer assessment,.....	33	50	
C. B. Emerson, for sewer assessment,.....	70	36	
N. Childs, for sewer assessment,.....	34	00	
E. J. Crossman, for sewer assessment,.....	84	03	
W. A. Ingham, for sewer assessment,.....	72	57	
Ruth Neal, for sewer assessment,.....	48	39	
County of Middlesex, for sewer assessment,	177	52	
D. W. Clement, for sewer assessment,.....	43	60	
Heirs of C. B. Richmond, for sewer assess- ment,.....	348	50	
David Donahoe, for sewer assessment,....	35	69	
C. R. Kimball, for sewer assessment,.....	108	17	
			3,233 67

IN JULY.

Of Mrs. Caleb Livingston, for sewer assess- ment,	65	56	
P. C. Moxley, for sewer assessment,.....	57	99	
<i>Amounts carried forward</i> ,.....	\$123 55	\$109,019 74	

Amounts brought forward,..... \$123 55 \$109,019 74

Received for SEWER ASSESSMENTS,&c :

Of J. A. Knowles, for sewer assessment,.....	81 14	
J. Stratton, for sewer assessment,.....	16 03	
J. A. Buttrick, for sewer assessment,.....	145 66	
G. W. Flint, for sewer assessment,.....	30 49	
Joseph Tilton, for sewer assessment,.....	75 94	
W. Aldrich, for sewer assessment,.....	64 91	
Helen Frye, for sewer assessment,	134 23	
Thomas Curley, for sewer assesment,.....	34 06	
W. C. Crosby, for sewer assessment,.....	37 00	
C. F. Tilton, for sewer assessment,.....	50 98	
J. Kenworthy, for sewer assessment,.....	24 60	
C. T. Crosby, for sewer assessment,.....	37 29	
J. Robbins, for sewer assessment,.....	44 15	
E. L. Cardell, for sewer assessment,.....	46 25	
E. C. Rice, for sewer assessment,.....	102 25	
Daniel Holt, for sewer assessment,.....	34 68	
		<hr/>
		1,083 21

IN AUGUST.

Of John Hadley, for sewer assessment,.....	70 88	
Thomas Mehan, for sewer assessment,.....	7 13	
John B Perry, for sewer assessment,.....	83 40	
A. L. Ready, for sewer assessment,.....	106 11	
John Nolan, for sewer assessment,.....	55 58	
David Nichols, for sewer assessment,.....	72 82	
J. C. Bennett, for sewer assessment,.....	52 02	
E. P. Woods, for sewer assessment,.....	36 74	
A. C. Wheelock, for sewer assessment,....	50 94	
James Cook, for sewer assessment,.....	58 17	
A. Emerson, for sewer assessment,.....	54 46	
Charles Heald, for sewer assessment,... .	23 53	
S. L. Sawtelle, for sewer assessment,.....	62 42	
Halladay & Vreeland, for pipe,.....	66 71	
		<hr/>
		800 91

IN SEPTEMBER.

Of A. C. Wheelock, by City of Lowell, for sewer assessment,.....	65 31	
Independent Union Mission School, for sewer assessment,.....	26 17	
James Marren, for labor,.....	18 50	
		<hr/>
		109 98

Amount carried forward,..... \$111,013 84

Amount brought forward,..... \$111,013 84

IN OCTOBER.

Of G. H. Wellman, for sewer assessment,.....	70 07	
James Critchett, for sewer assessment,....	4 85	
E. P. Woods, for sewer assessment,.....	34 04	
Halladay & Vreeland, for pipe,.....	476 52	
	<hr/>	585 48

IN NOVEMBER.

Of Josiah B. French, for sewer assessment,...	263 78	
B. F. Simpson, for sewer assessment,.....	11 36	
Ellen Lowney, by John A. Buttrick, for sewer assessment,.....	68 80	
Halladay & Vreeland, for pipe,.....	284 63	
	<hr/>	628 57
		<hr/>
		\$112,227 89
		<hr/>

EXPENDITURES.

Paid for RECONSTRUCTING SEWERS
in SUFFOLK and MOODY STREETS;
for LABOR performed and MATERIALS
furnished :

To F. Frye & Co. and Luther Kittredge & Son, as per contract No. 3,.....	17,350 13	
Luther Kittredge & Son, for cast iron curb and cover,	21 80	
Luther Kittredge & Co., for extra labor and materials in supporting water pipe,	35 02	
	<hr/>	17,406 95

Paid for RECONSTRUCTING SEWER in
DUTTON STREET; for LABOR per-
formed and MATERIALS furnished :

To F. Frye & Co. and L. Kittredge & Son, as per contract No. 6, (balance),.....	132 46	
	<hr/>	132 46
		<hr/>
<i>Amount carried forward</i> ,.....		\$17,539 41

<i>Amount brought forward</i> ,.....		\$17,539 41
Paid for CONSTRUCTING SEWER in HOWARD STREET ; for LABOR per- formed and MATERIALS furnished :		
To F. Frye & Co. and L. Kittredge & Son, as per contract No. 8, (balance),.....	472 39	
	<hr/>	472 39
Paid for CONSTRUCTING SEWERS in MERRIMACK and PRESCOTT STREETS; for LABOR performed and MATERIALS furnished :		
To Halladay & Vreeland, as per contract No. 12,.....	8,699 22	
	<hr/>	8,699 22
Paid for CONSTRUCTING SUFFOLK STREET OUTLET SEWER; for LABOR performed and MATERIALS furnished :		
To Halladay & Vreeland, as per contract No. 13,.....	20,991 78	
Halladay & Vreeland, for extra labor and material,	727 54	
	<hr/>	21,719 32
Paid for CONSTRUCTING and REPAIR- ING SEWERS, under direction of SUPERINTENDENT of STREETS :		
Paid for LABOR, as per PAY ROLLS :		
In April,.....	253 76	
May,.....	1,059 71	
June,	1,544 09	
July,.....	2,166 46	
August,.....	2,541 38	
September,.....	2,644 48	
October,.....	2,291 29	
November,	2,615 24	
December,.....	2,949 01	
	<hr/>	18,065 42
<i>Amount carried forward</i> ,.....		\$66,495 76

Amount brought forward,..... \$66,495 76

Paid for SUNDRIES :

To Appropriation for Fire Department, for use of hose, labor, hauling pipe, &c ,..	181 80
Appropriation for Roads and Bridges, for labor, brick, sand, wood, coal, engi- neering, &c.,.....	5,902 78
Appropriation for Water Works, for use of water and blacksmithing,.....	180 95
Wilder Bennett, for brick,.....	776 00
Warren C. Crosby, for drain pipe and labor,	331 02
Lowell Gas Light Co., for drain pipe and labor,.....	10 68
William E. Livingston, for brick, cement and sand,.....	3,750 22
N. T. Staples & Sons, for drain pipe, la- bor, &c.,.....	8,795 34
Lowell Machine Shop, for pipe clay,.....	60
Cole & Nichols, for sewer frames, cov- ers, &c.,.....	417 78
Henry W. Clapp, for sewer caps,.....	387 00
Pevey Bros., for catch basins, man-hole covers, castings, &c.,.....	1,988 47
Warren Foundry and Machine Co., for iron pipe,.....	1,403 51
Charles E. Adams, for hardware,.....	52 51
Fielding & Bartlett, for hardware,.....	55 64
Jacob Rogers & Co., for hardware,.....	179 29
Horace B. Shattuck, for hardware,.....	2 11
H. R. Barker & Co., for pipe, hose, gaskets, labor, &c.,.....	16 76
John Butcher, for iron,.....	26 35
D. Lovejoy & Son, for wedges,.....	5 00
S. G. Mack & Co., for castings, labor and use of kettles,.....	17 30
H. H. Wilder & Co., for iron pipe, solder and labor,.....	7 60
Kitchen & Abbott, for repairing pumps,..	1 25
Rice & Co., for repairing screen,.....	10 00
A. L. Brooks & Co., for chestnut posts,..	4 00
Charles Callahan, for plank,.....	10 00
C. W. Saunders & Co., for plank,.....	36 00
H. & A. Whitney, for lumber,.....	487 74
C. B. Coburn & Co, for oil, resin, can- dles, oakum, rope, blocks, pails, lan- terns, &c.,.....	159 84

Amounts carried forward,..... \$25,197 54 \$66,495 76

<i>Amounts brought forward.....</i>		\$25,197 54	\$66,495 76
Paid for SUNDRIES :			
To Fiske & Spaulding, for glass and letter- ing,	9 50		
Whiting & Co., for labor and material,...	1 00		
A. L. Ready, for old rope,	7 99		
H. G. Holden, for dualin, electric fuses and labor,	668 30		
Edward W. Clark, for oil,	1 43		
Nichols & Fletcher, for powder, fuse, rope, pails, &c.,	78 20		
R. K. Runals, for oil, oat meal and bucket,	17 18		
H. Hosford & Co., for cotton cloth,	3 70		
M. C. Huntoon, for rubber boots,	4 00		
Bacheller, Dumas & Co., for portfolios,	10 00		
F. P. Coggeshall, for books and stationery,	12 95		
Joshua Merrill & Son, for books and sta- tionery,	14 69		
Buff & Berger, for level, with case and tripod,	150 00		
George E. Evans, for travelling expenses, telegrams, postal cards, postage stamps, expressage, &c.,	7 45		
Frank E. French, for filling out Sewer specifications,	5 00		
Lowell Horse Railroad Co., for labor, lum- ber, sand, spikes and castings,	337 81		
Luther Kittredge & Co., for use of en- gine, derrick and labor,	273 13		
C. H. Arlen, for labor,	44 25		
N. C. Sanborn, for cash paid expenses to New Jersey,	67 50		
Daniel Brooks, for labor,	134 75		
Robert Park, for labor, bricks, use of en- gine, pumps, coal, lumber, cement, &c.,	2,598 61		
F. Frye & Co., for labor,	1 75		
Ira Hartwell, for labor,	1,540 50		
G. S. & W. F. Howe, for teaming pipe,	18 00		
Terence Kelley, for labor,	31 50		
F. H. Penniman, for teaming,	138 00		
Thomas Mooney, for teaming,	39 50		
B. N. Pollard, for teaming,	15 00		
Proprietors of Locks and Canals on Merri- mack River, for use of derrick,	164 00		
J. W. Trumbull, for filing saws,	1 25		
H. Haskell, for filing saws,	1 25		
<i>Amounts carried forward,</i>	\$31,595 73	\$66,495 76	

Amounts brought forward, \$31,595 73 \$66,495 76

Paid for SUNDRIES :

To H. O. Morse, for use of horse and carriage,	5 00	
Boston & Lowell and Nashua & Lowell		
Railroad Co., for freight on brick, pipe,		
sewer caps, &c.,	386 61	
	<hr/>	31,987 34

Paid for DAMAGES, &c. :

To Bernard Conway, for damage to estate and		
property by the overflowing of sewer in		
Cross street,	200 00	
Mary Crowley, for damage to estate and		
property by the overflowing of sewer		
in Cross street,	25 00	
Charles Cowley, for damage to estate and		
property by construction of sewer in		
Taylor street,	75 00	
Sarah Evans, for damage to estate and		
property by defective sewerage in		
Church street,	50 00	
Catherine Lennon, for damage to estate		
and property by defective sewer in		
Dummer street,	40 00	
B. F. Simpson, for damage to estate and		
property by construction of sewer on		
Jewett street,	11 36	
John F. McEvoy, for cash paid for sum-		
moning witness in case of J. B. French		
<i>vs.</i> City of Lowell,	1 25	
Alfred Day, for cash paid for summoning		
witness in case of J. B. French <i>vs.</i>		
City of Lowell,	1 50	
H. H. Fuller, for cash paid for summoning		
witnesses in case of J. B. French <i>vs.</i>		
City of Lowell,	25 50	
	<hr/>	429 61

Paid for ABATEMENT of SEWER AS-
SESSMENTS, (as per resolution):

To Appropriation for Commons,	291 64	
Appropriation for School Houses,	252 35	
Appropriation for Water Works,	17 05	
Richard Barry,	1 19	
	<hr/>	
<i>Amounts carried forward,</i>	\$562 23	\$98,912 71

<i>Amounts brought forward,.....</i>	\$562 23	\$98,912 72
Paid for ABATEMENT of SEWER ASSESSMENTS, (as per resolution) :		
To Charles Belcher,.....	12 29	
John Caulfield,.....	15 46	
Heirs of John Coleman,.....	42 01	
Edward Cushing,.....	32 53	
Nathaniel Davis,.....	109 65	
Patrick Donahoe,.....	21 82	
Henry F. Durant,.....	9 99	
Sarah Fay,.....	11 29	
Caroline L. George,.....	60 49	
Joseph S. Green,.....	34 68	
S. N. Harris,.....	2 71	
Martha J. Hawes,.....	6 32	
Heirs of Avery Marshall,.....	76 65	
Heirs of John Pitt,.....	5 84	
Rebecca Hill,.....	7 62	
George Ivers,.....	84 64	
Thomas Mangan,.....	69 78	
Ann Masterson,.....	41 81	
James McCarron,.....	46 90	
Bridget McCue,.....	19 28	
Heirs of Mary McLaughlin,.....	43 25	
Peter Mulvey,.....	4 92	
John Norris,.....	49 54	
Bridget O'Connell,.....	13 61	
Robert J. Plunkett,.....	44 53	
Ellen Powers,.....	6 06	
John Preston,.....	69 32	
James Slavin,.....	69 34	
Mrs. Sydney Spaulding,.....	108 21	
Hannah Whitney,.....	11 70	
John Welch,.....	5 66	
Silas C. Wilcox,.....	8 94	
F. E. Wolstenholme,.....	17 06	
		1,726 13

Paid for SURVEYS, PLANS, &c., for a
NEW SYSTEM of SEWERAGE :

To David W. Cunningham, Engineer,.....	100 00
Charles J. Smaller, Assistant Engineer,..	416 66
Charles A. Bryant, Leveller,.....	237 50
J. L. Hayward, Draughtsman,.....	256 50
J. H. Shepard, Chainman,.....	70 00

<i>Amounts carried forward,.....</i>	\$1,080 66	\$100,638 84
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<i>Amounts brought forward</i> ,.....	\$1,080 66	\$100,638 84
Paid for SURVEYS, PLANS, &c., for a NEW SYSTEM of SEWERAGE :		
To D. W. Cunningham, for cash paid for paste, postage stamps and repairing tape measure,.....	1 50	
C. J. Smaller, for cash paid for paste, repair- ing tape measures and expenses to Bos- ton,.....	5 50	
F. P. Coggeshall, for paper,.....	5 30	
J. H. Bufford's Sons, for 400 Lithographic plans of sewerage system,.....	100 00	
	<hr/>	*1,192 96
Whole expenditure for the year,.....		101,831 80
Balance undrawn January 1st, 1875,.....		10,396 09
		<hr/>
		\$112,227 89
		<hr/>
<hr/>		
*Amount expended previous to January 1, 1874,.....	\$12,166 92	
Amount expended in 1874,.....	1,192 96	
	<hr/>	
Total expenditure January 1, 1875,.....		\$13,359 88

COMMONS.

Balance undrawn January 1st, 1874,.....	\$2,090 02	
Appropriated and assessed in 1874,.....	7,000 00	
	<hr/>	\$9,090 02

RECEIPTS.

*Received into the Treasury from various sources,	1,192 64	
	<hr/>	1,192 64
		<hr/> <hr/> \$10,282 66

EXPENDITURES.

Paid for NEW LIBERTY POLE on
SOUTH COMMON:

To A. L. & W. G. Brown & Co., for masts and lumber,.....	347 80
Boston & Lowell and Nashua & Lowell Railroad Co., for freight on masts and lumber,	52 20
A. L. Brooks & Co., for lumber and team- ing,	34 53
Mark Holmes, Jr., for large acorn,.....	5 00
John Butcher, for iron,.....	8 63
William Roberts, for teaming,.....	12 00
F. S. Smith, for teaming,.....	3 00
	<hr/>
<i>Amount carried forward,.....</i>	\$463 16

*See page 13.

Amount brought forward,..... \$463 16

Paid for NEW LIBERTY POLE on
SOUTH COMMON :

To Fiske & Spaulding, for painting, lettering and gilding,.....	18 00
F. R. Hoyt, for painting,.....	50 00
A. Jacobs, for labor,.....	35 00
L. Kittredge & Co., for labor, use of rig- ging and damage to ropes,.....	122 87
Daniel Coburn, for labor,.....	20 00
C. B. Coburn & Co., for blocks and sheave,	6 50
Bagnall & Loud, for block,.....	5 00
Jonathan Kendall, for expenses of Com- mittee to Portland,.....	22 75
Amount of Superintendent of Public Build- ings' bill,.....	171 56

914 84

Paid for SUNDRIES:

To Appropriation for Fire Department, for teaming,.....	1 50
Appropriation for Lighting Streets and Public Buildings, for labor and lighting,	12 75
Appropriation for Roads and Bridges, for labor, edgestone, street scrapings, &c.,	951 50
Appropriation for Water Works, for drink- ing hydrants, hoop and labor,.....	116 00
Appropriation for Schools, for pump dippers,	1 68
Warren C. Crosby, for drain pipe and labor,	135 75
N. T. Staples & Son, for drain pipe,.....	22 40
W. E. Livingston, for cement,.....	4 80
E. A. & A. T. Smith, for concrete,.....	1,394 73
Milton Aldrich, for windlass roll and pins,	4 25
A. L. Brooks & Co. for lumber,.....	1 60
C. W. Saunders & Co., for lumber,.....	82 72
H. & A. Whitney, for lumber,.....	35
D. Lovejoy & Son, for forging crank,.....	1 50
Pevey Bros., for lamp posts,.....	375 00
H. R. Barker & Co., for pipe, labor, foun- tain spray, sprinklers, couplings, plugs, caps, &c.,.....	951 39
S. G. Mack & Co., for fence castings, la- bor, &c.,.....	60 34
H. H. Wilder & Co., for pipe, clamps, bolts, labor, &c.,.....	10 16

Amounts carried forward,..... \$4,128 42

\$914 84

<i>Amounts brought forward,.....</i>		\$4,128 42	\$914 84
Paid for SUNDRIES :			
To Charles E. Adams, for lamps, lead, nails, &c.,	251 70		
Jacob Rogers & Co., for bolts, washers and screws,	1 42		
H. B. Shattck, for hardware,	1 11		
William W. Bates, for gas burners,	12 50		
Fiske & Spaulding, for painting signs,	1 00		
H. B. Barnes, for painting,	35 15		
C. H. Arlen, for syphon box,	7 00		
F. H. Penniman, for gravel and teaming, ..	104 20		
William Roberts, for teaming,	75		
J. E. Conant, for advertising and selling grass,	22 50		
Michael Corbett, for damage to grass, (per order City Council,)	12 00		
C. H. Arlen, for labor,	66 00		
William Belcher, for labor,	38 50		
Thomas Lyngo, for labor,	18 38		
Daniel Harrington, for labor,	33 25		
James Cunningham, for labor,	36 75		
John McAnulty, for labor,	36 75		
John Regan, for labor,	29 25		
John Kerns, for labor,	30 00		
James Burns, for labor,	28 50		
Maurice O'Donnell, for labor,	27 00		
William Gard, for labor,	24 75		
William Mahoney, for labor,	28 50		
James Inglesby, for labor,	24 00		
Edward Riley, for labor,	24 75		
J. Coughlin, for labor,	27 75		
Charles Nealey, for labor,	11 62		
Patrick Cassidy, for labor,	3 00		
Patrick Foley, for labor,	19 50		
Thomas Grimes, for labor,	18 00		
Michael McVey, for labor,	14 25		
Jere Scannell, for labor,	15 00		
Edward Gory, for labor,	3 75		
			5,137 00
Whole expenditure for the year,			6,051 84
Balance undrawn January 1, 1875,			4,230 82
			\$10,282 66

PRINTING AND ADVERTISING.

Balance undrawn January 1, 1874,.....	\$ 403 78	
Appropriated and assessed in 1874,.....	3,500 00	
		<u>\$3,903 78</u>
Transferred from Corporation Tax Account,..	1,000 00	
		<u>1,000 00</u>
		<u>\$4,903 78</u>

EXPENDITURES.

Paid Knapp & Morey, for printing (1,300 copies) Auditor's Report,.....	549 74
S. B. Simonds, for binding (1,300 copies) Auditor's Report,.....	33 00
Marden & Rowell, for printing (2,000 copies) Mayor's Address,.....	172 65
S. B. Simonds, for binding (2,000 copies) Mayor's Address,.....	18 00
Stone, Huse & Co., for printing (300 copies) Municipal Register,.....	236 33
Brown & Chase, for printing,.....	175 13
Curtis, Guild & Co., for advertising sewer proposals,.....	5 00
Estate of B. H. Penhallow, for printing,	12 00
Hunt Bros., for printing and advertising,	221 93
Hunt Bros., for two copies of Morning Times from January 1, 1874, to January 1, 1875,.....	12 00
Knapp & Morey, for printing and advertising,.....	240 85
<i>Amount carried forward,.....</i>	<u>\$1,676 63</u>

<i>Amount brought forward</i> ,.....	\$1,676 63	
Paid Knapp & Morey, for two copies of Daily Citizen from January 1, 1874, to January 1, 1875,.....	10 00	
Knapp & Morey, for printing (500 cop- ies) Engineer's Report,.....	146 35	
S. B. Simonds, for binding (500 copies) Engineer's Report,.....	3 75	
Marden & Rowell, for printing and adver- tising,.....	480 46	
Marden & Rowell, for two copies Lowell Daily Courier from January 1, 1873, to January 1, 1875,.....	26 00	
Proprietors of Boston Daily Advertiser, for advertising sewer proposals,....	19 25	
Stone, Huse & Co., for printing and ad- vertising,.....	497 42	
S. H. Shirley, for printing,.....	5 00	
L. Prang & Co., for plans of City Coun- cil Rooms,.....	20 00	
Bacheller, Dumas & Co., for blank books, binding, ruling, printing, &c.,.....	400 36	
W. S. Simons, for posting notices, &c.,..	61 87	
Joel Powers, for distributing 1,000 copies of Mayor's Address,.....	5 00	
		<hr/> 3,352 09
Whole expenditure for the year,.....		<hr/> 3,352 09
Balance undrawn January 1, 1875,.....		<hr/> 1,551 69
		<hr/> <hr/> \$4,903 78

LIGHTING STREETS AND PUBLIC BUILDINGS.

Balance undrawn January 1st, 1874,.....	\$3,455 62	
Appropriated and assessed in 1874,.....	18,000 00	
	<hr/>	\$21,455 62

RECEIPTS.

*Received into the Treasury from various sources,	99 29	
	<hr/>	99 29
Transferred from Corporation Tax Account, .	2,500 00	
	<hr/>	2,500 00
		<hr/>
		\$24,054 91
		<hr/>

EXPENDITURES.

Paid for LIGHTING STREETS:

To Lowell Gas Light Co., for gas consumed in street burners during the year 1874,..	12,582 92
H. R. Barker & Co., for gas fixtures, fittings, pipe, labor, &c.,.....	380 62
H. H. Wilder & Co., for lantern frames, cans, measures, boiler and cover, repairing lanterns, &c.,.....	240 97
James Wight, for lamp post cocks and plugs,	67 08
E. O. Blake, for gas burner,.....	50
	<hr/>
<i>Amount carried forward,</i>	\$13,272 09

*See page 13.

Amount brought forward,..... \$13,272 09

Paid for LIGHTING STREETS :

To George W. Farnham, for gas burners,.....	12 00
J. H. Hill, for gas burners,.....	3 00
Cole & Nichols, for lamp posts,.....	196 00
Pevey Bros., for lamp posts, pipe, &c.,.....	653 73
Charles E. Adams, for lamp post, lamps, globes, faucet, &c.,.....	542 73
Appropriation for Roads and Bridges, for keeping horses, horseshoeing, coal, la- bor, &c.,.....	690 27
S. L. Butman, for repairing harnesses, &c.,	20 70
Samuel Convers, for repairing carriages, &c.,	20 00
James Dugdale & Son, for horse blankets,	4 50
C. B. Coburn & Co., for burning fluid, alcohol, oil, spirits turpentine, ben- zine, varnish, paints, glass, sponge, brushes, &c.,.....	236 25
B. F. & C. E. Russell, for liquorine, re- ducers, burners, jets, &c.,.....	98 60
Alvah Walker & Co., for kerosene oil, naptha, &c.,.....	15 96
New England Gas Light Co., for gasoline, tin ware, street lantern and patent attachments,.....	45 48
Isaac Deming, for soft waste,.....	10 40
Fiske & Spaulding, for paints, painting, glazing, gilding and lettering,.....	22 88
H. A. Racicot, for painting sleigh,.....	14 00
Jacob Nichols, for tub,.....	50
George Hobson, for cash paid for matches and carriage hire,.....	22 00
Joshua Merrill & Son, for diary,.....	1 00
William Belcher, for labor,.....	64 74
Martin Coolidge, for labor,.....	8 75
Lowell Gas Light Co., for removing and replacing supply pipe,.....	4 50
Fred A. Bates, for cash paid for lighting,.	4 12
Fred A. Bates, for lighting,.....	892 50
E. A. Davis, for lighting,.....	48 06
C. E. Dodge, for lighting,.....	102 90
Arthur Kennedy, for lighting,.....	88 76
William Kennedy, for lighting,.....	457 50
C. E. Munn, for lighting,.....	220 33
W. F. Kenneson, for lighting,.....	28 48
Fred Richardson, for lighting,.....	95 55

Amount carried forward,..... \$17,898 28

Amount brought forward,..... \$17,898 28

Paid for LIGHTING STREETS:

To Willie Woods, for lighting,.....	63 25	
Willie Shehan, for lighting,.....	10 56	
E. W. Young, for lighting,.....	41 83	
Willie Lang, for lighting,.....	4 00	
Allie Lang, for lighting,.....	2 00	
Charles Stearns, for lighting,.....	17 25	
Scott Bickford, for lighting,.....	3 36	
Fred Boynton, for lighting,.....	4 00	
James Bulmer, for lighting,.....	9 12	
Elmer Childs, for lighting,.....	2 00	
John Crowley, for lighting,.....	2 00	
Eugene Cunningham, for lighting,.....	5 28	
George Dana, for lighting,.....	2 00	
John Farrington, for lighting,.....	2 00	
J. E. Gallagher, for lighting,.....	2 00	
Rhoddy McKenzie, for lighting,.....	4 32	
Alexander Walker, for lighting,.....	2 00	
James Walsh, for lighting,.....	2 00	
George Hobson, for cash paid for lighting,	17 85	
		<hr/>
		18,095 10

Paid for LIGHTING PUBLIC BUILDINGS:

To Lowell Gas Light Co., for gas,.....	2,604 23	
		<hr/>
		2,604 23
Whole expenditure for the year,.....		<hr/>
Balance undrawn January 1, 1875,.....		20,699 33
		3,355 58
		<hr/>
		\$24,054 91
		<hr/>

REPAIRS OF PUBLIC BUILDINGS.

Balance undrawn January 1, 1874,.....	\$2,609 84	
Appropriated and assessed in 1874,.....	13,000 00	
	<u> </u>	\$15,609 84

RECEIPTS.

*Received into the Treasury from various sources,	120 50	
	<u> </u>	120 50
Transferred from Corporation Tax Account,..	19,000 00	
Transferred from Appropriation for School Houses,	1,000 00	
	<u> </u>	20,000 00
		<u> </u>
		<u>\$35,730 34</u>

EXPENDITURES.

Paid for SUNDRIES :

To A. L. Brooks & Co., for lumber,.....	254 49
Griffin & Lake, for post and rail,.....	2 65
Howes & Burnham, for lumber,.....	395 98
William Kelley, for windows and doors,...	14 75
M. C. Pratt & Co., for lumber, doors, moulding, sash, &c.,.....	216 23
C. W. Saunders & Co., for lumber,.....	269 98
H. & A. Whitney, for lumber,.....	251 38
	<u> </u>
<i>Amount carried forward,.....</i>	<i>\$1,405 46</i>

*See page 13.

Amount brought forward,..... \$1,405 46

Paid for SUNDRIES :

To Appropriation for Roads and Bridges, for iron work and plank,.....	17 90
Milton Aldrich, for ladder rounds,.....	6 10
Benner Bros., for tables,.....	16 00
Crosby Furniture Co., for lumber, drawer pulls, &c.,.....	5 75
G. N. Trowbridge & Son, for turning,....	50
John Butcher, for iron,.....	91
E. O. Blake, for gas burners and globes,...	89 50
H. R. Barker & Co., for pipe, valves, pack- ing elbows, couplings, hooks, burners, labor, &c.,.....	383 19
A. D. & O. N. Clark, for bolts, rods, wash- ers, labor, &c.,.....	53 13
Cole & Nichols, for grates,.....	48 91
T. Costello & Co., for stove, pipe, plumb- ing, &c.,.....	25 08
Estate of William Dobbins, for grates, mouth pieces to boilers, labor, &c.,....	132 34
S. G. Mack & Co., for range, boilers, cop- per tank, iron pipe, zinc, lead pipe, lanterns, glue pot, solder, labor, &c.,...	261 43
J. W. Proctor, for plug cock, coupling and labor,.....	2 94
H. H. Wilder & Co., for marble slab, bowl, pipe, labor, &c.,.....	39 01
N. J. Wier & Co., for elbow, stoppers, la- bor, &c ,.....	1 45
Charles E. Adams, for padlock and nails,..	24 95
Fielding & Bartlett, for hardware,.....	74 40
Jacob Rogers & Co., for hardware,.....	61 61
Horace B. Shattuck, for hardware,.....	14 58
J. W. Bennett, for collars, roofing, zinc, moulding, labor, &c.,.....	41 84
Robert Goulding, for slate, lead, zinc, nails and labor,.....	25 61
William Waugh, for slate, zinc and labor,	30 84
Fiske & Spaulding, for window shades, paper, moulding, labor, &c.,.....	80 56
J. C Pulcifer, for lettering windows,.....	3 90
C. B Coburn & Co., for oil, paints, shellac, alcohol, glass, pumice stone, putty, blocks, rope, brushes, sponge, fire brick, sand, &c ,.....	333 56

Amount carried forward,..... \$3,181 45

<i>Amount brought forward</i> ,.....	\$3,181 45	
Paid for SUNDRIES :		
To Jonathan Kendall, for sperm oil, spirits turpentine, putty, &c.,.....	5 19	
Abner Kittredge, for sand, varnish and labor,.....	3 50	
William Clifford, for mason work,.....	2 63	
F. Frye & Co., for mason work,.....	30 06	
W. E. Livingston, for cement, sand and lime,.....	10 10	
F. A. Nichols, for lime,.....	3 30	
D. M. Prescott & Co., for mason work and material,.....	163 22	
Rollins & Sargent, for mason work and ma- terial,.....	84 23	
N. T. Staples & Sons, for drain pipe,.....	20 16	
Halladay & Vreeland, for labor and mate- rial, laying drain pipe from City Gov- ernment Building to sewer,.....	508 75	
H. C. Church, for blank book and stationery,	6 91	
Adams & Co., for carpets, lining, bocking, labor, &c.,.....	112 13	
Folsom & Tucker, for towels,.....	2 25	
Russell & Cheney, for matches,.....	50	
George Thatcher, for cleaning and repair- ing clocks,.....	4 75	
James Leach, for teaming,.....	2 00	
William Roberts, for teaming,.....	6 75	
Joseph Donnelly, for labor,.....	7 00	
W. J. Mountain, for labor,.....	7 50	
Daniel Reynolds, for labor,.....	8 00	
Cherrington & Cherrington, for plans, &c., of proposed alterations of buildings on Market and Middle streets,.....	360 00	
Proprietors of Locks and Canals on Merri- mack River, for removing restrictions on land in rear of City Government Building,.....	9,400 00	
		13,930 38
To amount of Superintendent of Public Build- ings' bills for the year,.....	1,418 21	
		1,418 21
Total expenditure for the year,.....		15,348 59
Balance undrawn January 1, 1875,.....		20,381 75
		<u>\$35,730 34</u>

CITY LIBRARY.

Balance undrawn January 1st, 1874,.....	\$527 40	
Appropriated and assessed in 1874,.....	2,000 00	
	<u> </u>	\$2,527 40

RECEIPTS.

Received into the Treasury from various sources,	1,072 15	
	<u> </u>	1,072 15
Received from County of Middlesex on account of dog licenses,.....	2,313 36	
	<u> </u>	2,313 36
		<u> </u>
		\$5,912 91

EXPENDITURES.

Paid Marshall H. Clough, Librarian, (salary,)	1,200 00	
Paid Marshall H. Clough, Librarian, for clerk hire,.....	300 00	
	<u> </u>	1,500 00
Paid for SUNDRIES :		
To H. Hosford, for rent of rooms in Masonic Temple building,	1,200 00	
H. Hosford, for heating rooms,.....	200 00	
Lowell Gas Light Co., for gas,	191 36	
	<u> </u>	
<i>Amounts carried forward,.....</i>	<i>\$1,591 36</i>	<i>\$1,500 00</i>

*See page 14.

<i>Amounts brought forward,</i>		\$1,591 36	\$1,500 00
Paid for SUNDRIES :			
To M. H. Clough, for cash paid for books, cleaning rooms, soap, dextrine, matches, postage stamps and expressage,	53 35		
F. P. Coggeshall, for books and stationery,	901 44		
Joel A. Abbott, for books,	4 00		
A. Colby & Sons, for books,	38 92		
Schoenhof & Moeller, for books,	50 11		
Joshua Merrill & Son, for books,	3 20		
Josiah Butler, for paper,	7 00		
C. B. Richmond & Co., for paper,	22 50		
Bachelor, Dumas & Co., for ruling and binding,	247 85		
Estate of B. H. Penhallow, for postal cards and printing,	8 25		
Hunt Bros, for advertising,	2 00		
Knapp & Morey, for advertising,	2 00		
Marden & Rowell, for printing and adver- tising,	16 76		
Stone, Huse & Co., for printing,	21 25		
S. B. Simonds, for binding,	37 60		
A. Whitney, for tracing cloth,	1 50		
Henry C. Church, for basket,	1 10		
T. R. Garrity & Co., for plumbing,	13 29		
J. Rogers & Co., for hardware,	1 10		
Fiske & Spaulding, for glazing,	14 50		
Appropriation for Schools, for brooms,	53		
Appropriation for Water Works, for use of water,	7 00		
			3,046 61
Total expenditure for the year,			4,546 61
Balance undrawn January 1, 1875,			1,366 30
			\$5,912 91

SALARIES.

Balance undrawn January 1, 1874,.....	\$1,486 31	
Appropriated and assessed in 1874,.....	18,000 00	
		<u>19,486 31</u>
Transferred from Corporation Tax Account,..	2,500 00	
		<u>2,500 00</u>
		<u><u>\$21,986 31</u></u>

EXPENDITURES.

Paid Francis Jewett, Mayor,.....	1,500 00
John H. McAlvin, Treasurer and Collec- tor,.....	2,500 00
John H. McAlvin, for clerk hire,.....	500 00
Samuel A. McPhetres, City Clerk,.....	2,000 00
Samuel A. McPhetres, for clerk hire,....	300 00
George Gardner, Auditor and Clerk of Common Council,.....	833 33
George Gardner, for clerk hire,.....	125 00
David Chase, Auditor and Clerk of Com- mon Council,.....	1,144 45
David Chase, for clerk hire,.....	175 00
John F. McEvoy, City Solicitor,.....	1,500 00
Lorenzo G. Howe, Superintendent of Pub- lic Buildings,.....	1,600 00
John H. Nichols, Messenger to the City Council,.....	1,200 00
Hermon J. Smith, City Physician and Superintendent of Burials,.....	700 00
John A. Knowles, Jr., Sealer of Weights and Measures,.....	300 00
<i>Amount carried forward,.....</i>	<u>\$14,377 78</u>

<i>Amount brought forward,.....</i>	\$14,377 78	
Paid John A. Knowles, Jr., Inspector of Milk,	25 00	
Sylvester Crosby, Pound Keeper,.....	25 00	
Francis Goward, Chairman of the Board of Assessors,.....	1,000 00	
James Marren, Assessor,.....	800 00	
Isaac A. Fletcher, Assessor,.....	800 00	
William W. Read, Assessor,.....	800 00	
Levi B. Stevens, Assessor,.....	800 00	
Board of Assessors, for clerk hire,.....	600 00	
Frank E. French, for services in Audi- tor's office,.....	15 00	
		<hr/>
Whole expenditure for the year,.....		19,242 78
Balance undrawn January 1, 1875,.....		2,743 53
		<hr/>
		\$21,986 31
		<hr/>

SETTING TREES.

Balance undrawn January 1, 1874,.....	\$81 87	
		\$81 87
Expenditure,.....		00 00
		<hr/>
Balance undrawn January 1, 1875,....,.....		\$81 87
		<hr/> <hr/>

HEALTH ACCOUNT.

Balance undrawn January 1st, 1874,..... \$3,036 53

\$3,036 53

EXPENDITURES.

Paid for BATH HOUSES, &c.:

To A. L. Brooks & Co., for lumber,.....	363 99
Howes & Burnham, for lumber,.....	9 55
C. W. Saunders & Co., for lumber,.....	46 42
C. B. Coburn & Co, for casks, oil, rope and lantern,.....	32 59
French & Puffer, for oil can and lantern,..	1 80
Miller Bros., for mop, oil, matches, &c.,...	1 64
Fielding & Bartlett, for hardware,.....	15 42
Jacob Rogers & Co., for hardware,.....	12 11
John Butcher, for chain,.....	5 76
American Bolt Co., for bolts, washers and iron,.....	5 87
Milton Aldrich, for turning pins,.....	2 80
Appropriation for Fire Department, for teaming,.....	6 00
William Hyatt, for teaming,.....	9 00
James Leach, for teaming.. ..	3 00
William Roberts, for teaming,.....	13 75
Hugh Fife, for use of boat,.....	5 00
J. W. Bennett, for labor,.....	16 25
John Donahoe, for labor,.....	7 00
Patrick Quinn, for labor,.....	1 75
Ann Conlan, for services at bathing house,	10 00
Mrs. A. B. Whitney, for services at bath- ing house,.....	113 00
Superintendent of Public Buildings' bill,..	284 32

967 02

Amount carried forward,.....

\$967 02

Amount brought forward, \$967 02

Paid for SUNDRIES:

To Appropriation for Fire Department, for use of water and labor on Merrimack street,	10 00	
Appropriation for Roads and Bridges, for labor with teams, cleaning alleys, &c.,	425 14	
Joseph Barrett, for labor removing filth from passage ways, back streets, &c.,..	268 63	
William Donovan, for labor removing filth from passage ways. back streets, &c.,..	271 25	
J. Rogers & Co , for one rake,	75	
N. T. Staples & Sons, for drain pipe,	7 20	
C. P. Talbot & Co., for chloride of lime, ..	5 00	
		<hr/>
Whole expenditure for the year,		1,954 99
Balance undrawn January 1, 1875,		1,081 54
		<hr/>
		\$3,036 53
		<hr/>

STATE AID, FOR DISABLED SOLDIERS AND SAILORS, &c.

Paid to Disabled Soldiers and Sailors and
their Families, and for the Families of
the Slain, under an Act of the Legisla-
ture of the Commonwealth, chapter 172,
approved April 23, 1866, (as per reso-
lution of the City Council) :

Due from the Commonwealth January 1, 1874, \$28,709 99	
	\$28,709 99

RECEIPTS.

*Received into the Treasury from various sources,	18,084 81	
		18,084 81
		\$10,625 18

EXPENDITURES.

To amount paid as per Resolution in 1874, ...	14,772 66	
		14,772 66
Due January 1, 1875,		\$25,397 84

*See page 15.

WATER WORKS.

RECEIPTS.

*By amount received into the Treasury from various sources in 1874,.....	\$405,625 65	
Deduct amount overdrawn January 1, 1874..	117,630 88	
	<hr style="width: 100%;"/>	287,994 77
		<hr style="width: 100%;"/>

EXPENDITURES.

Paid for LABOR, as per monthly pay-rolls:

In January,.....	3,539 17	
February,.....	2,398 70	
March,.....	2,832 47	
April,.....	2,815 73	
May,.....	3,273 68	
June,	3,652 60	
July,.....	3,071 41	
August,.....	3,006 60	
September,.....	3,281 54	
October,.....	2,957 18	
November,.....	2,401 81	
December,.....	1,828 24	
	<hr style="width: 100%;"/>	35,059 13

Paid for PIPE, HYDRANTS, METERS, &c.:

To Chelmsford Foundry Co., for iron pipe,...	24 72	
Lowell Machine Shop, for pipe, covers, &c.,	59 79	
Jesse W. Starr & Sons, for pipe, caps, labor, &c.,.....	38,496 81	
	<hr style="width: 100%;"/>	
<i>Amounts carried forward,.....</i>	<i>\$38,581 32</i>	<i>\$35,059 13</i>

*See pages 15, 16, 17 and 18.

Amounts brought forward,..... \$38,581 32 \$35,059 13

Paid for PIPE, HYDRANTS, METERS, &c.:

To Morris Tasker & Co., for pipe, ells, crosses, caps, &c.,.....	3,923 38
Proprietors of Locks and Canals on Merrimack River, for pipe,.....	54 27
Boston Lead Co., for lead pipe and pig lead,	2,069 47
Boston Machine Co., for flush hydrants, water gates, valves, &c.,.....	6,045 85
F. Calvert, for service caps, wrenches, &c.,	73 50
David Healey, for pipe,.....	13 91
Pevey Bros., for hydrant covers, gate covers and frames, caps, catches, &c.,.....	1,116 07
William Walker & Co., for hydrant frame and cover,.....	7 00
Union Water Meter Co., for water meters, couplings, &c.,.....	1,039 10
Henry R. Worthington, for water meter, &c.,	79 00
N. T. Staples & Sons, for drain pipe,.....	118 32
Boston, Clinton & Fitchburg Railroad Co., for freight on pipe,.....	16 12
Boston & Lowell and Nashua & Lowell Railroad Co., for freight on pipe, &c.,	2,104 68

55,241 99

Paid for LAND AND DAMAGES:

To American Bolt Co., for damage to property by overflow in Lawrence street,.....	450 00
John Crowley, for damage to his estate in Dracut,.....	150 00
Bartholomew Crowley, for damage to his estate in Dracut,.....	150 00
Bartholomew Cavanagh, for land taken in construction of Reservoir street,.....	600 87
George W. Coburn, for damage to property in Dracut,.....	300 00
P. Cummiskey, for damage to property in Dracut,.....	50 00
Luther Emerson, (on execution,).....	183 42
Edward Burns, (on execution,).....	165 05
Rice, <i>et als.</i> , (on execution,).....	222 79
S. P. Griffin, for cash paid Ruth C. French, for personal injury received on Middlesex street,.....	100 00
Isaac Holden, for damage to property in Dracut,.....	1,700 00

Amounts carried forward,..... \$4,072 13 \$90,301 12

Amounts brought forward,..... \$4,072 13 \$90,301 12

Paid for LAND AND DAMAGES :

To Charles Kenney, for damage to property in Centralville,.....	900 00	
Walter H. Leighton, for damage to carriage,	5 00	
Michael McGlynn, for land taken for extension of Reservoir street,.....	600 00	
Bernard McGuire, for damage to residence on Middlesex street,.....	1 75	
	<hr/>	5,578 88

Paid for INTEREST, and DISCOUNT on BONDS :

To Lowell Institution for Savings, interest, (on two notes,).....	18,600 00	
Interest on Lowell Water Loan Bonds, (coupons,).....	78,360 00	
Discount on sale of Lowell Water Loan Bonds,.....	8,305 00	
	<hr/>	105,265 00

Paid for SUNDRIES :

To John Butcher, for iron, steel, borax, &c.,..	214 15
Dodge, Gilbert & Co., for steel, iron shoes, nails, chain and bellows,.....	101 39
A. D. & O. N. Clark, for bolts, washers, hoop and labor,.....	34 17
Dalton & Ingersoll, for corporation stops,.	16 15
Thomas Firth & Sons, for steel,.....	186 00
Shapley Morgan, for iron doors, bolts, rivets, iron block, varnish and labor,..	97 33
S. C. Smith, for screws,.....	1 32
H. R. Barker & Co., for sidewalk cocks, tees, sockets, unions, plugs, waste, &c.,	2,569 51
S. G. Mack & Co., for iron fence, fence posts, castings, labor, &c ,.....	1,260 91
H. H. Wilder & Co., for pig iron, solder, pipe, castings, block tin, drinking cups, labor, &c.,.....	199 06
D. H. Wilson, for lead pipe, solder and labor,	24 35
Fielding & Bartlett, for hardware,.....	68 75
Jacob Rogers & Co., for hardware,.....	49 17
H. B. Shattuck, for hardware,.....	24 81
Bennett & Moulton, for brick,.....	18 00

Amounts carried forward,..... \$4,865 07 \$201,145 00-

Amounts brought forward,..... \$4,865 07 \$201,145 00

Paid for SUNDRIES :

To Runels, Davis & Foster, for stone watering troughs, stone and labor,.....	175 25
Runels & Davis, for stone and labor,.....	9 50
A. Bachelder & Co., for hydrant boxes, lumber, labor, &c.,.....	669 42
A. L. Brooks & Co., for lumber,.....	21 08
C. W. Saunders & Co., for stop-cock boxes, lumber, sawdust, &c.,.....	389 21
J. W. Bennett, for roofing, moulding, zinc, tarred paper, &c.,.....	191 13
Merrill & Calef, for building shed,.....	466 00
George W. Pearson, for lumber, glass, iron rods, washers, labor, &c.,.....	399 31
Milton Aldrich, for rammers, mallets, turning plugs, &c.,.....	26 89
E. A. Hill, for sawdust,.....	5 00
William Kittredge, for coal,.....	67 25
William E. Livingston, for coal, lime, cement, brick, sand, grain, &c.,.....	3,057 06
Eliab Lee, for wood,.....	6 00
B. H. Peabody, for wood,.....	14 00
W. F. Richardson, for wood,.....	168 97
Ross & Jewett, for plank, bolts, &c.,.....	10 00
C. B. Coburn & Co., for oil, packing, rope, red lead, fire clay, brushes, matches, &c.,	292 99
Fiske & Spaulding, for oil, paints, varnish, brushes, chamois, lanterns, paper, labor, &c.,.....	150 21
P. M. Jefferson, for oil, tallow and soda ash,	108 77
C. A. Kendall, for oil tank,.....	6 00
C. P. Talbot & Co., for soda ash,.....	1 50
George H. Convers, for repairing harness,.	13 00
Samuel Convers, for repairing carriages, harnesses, &c.,.....	94 77
C. H. Hill, for repairing pung,.....	4 50
American Steam Packing Co., for packing,	18 00
Henry C. Church, for waste,.....	10 08
L. C. Dodge, for waste and iron kettle,...	5 50
Haskins & Montague, for hemp rope, carting, &c.,.....	176 99
A. L. Ready, for rope,.....	2 88
Henry R. Worthington, for packing and labor,.....	75
J. Gates & Sons, for leather,.....	6 30

Amounts carried forward,..... \$11,433 38 \$201,145 00

Amounts brought forward,..... \$11,433 38 \$201,145 00

Paid for SUNDRIES:

To Stewart, Sherburne & Co., for oats and corn,	80 74
Stiles, Rogers & Co., for oats and meal,...	19 18
S. N. Wood & Son, for oats, meal and shorts,.....	22 66
W. H. Wiggin, for hay,.....	59 27
H. G. Holden, for dualin, exploders, &c.,..	945 00
Nichols & Fletcher, for powder, fuse, matches, salt, soap, brooms, &c.,.....	301 32
United States Cartridge Co., for blasting caps,.....	39 30
Bachelor, Dumas & Co., for portfolio and binding,.....	9 25
Brown & Chase, for printing,.....	20 00
Hunt Bros., for printing and advertising,..	38 50
Knapp & Morey, for printing and advertising,.....	71 25
Marden & Rowell, for advertising,.....	24 62
Stone, Huse & Co., for printing, ruling and binding,.....	130 32
W. S. Simons, for posting bills,.....	2 50
F. P. Coggeshall, for books and stationery,	80 10
Appropriation for Fire Department, for teaming pipe, stove, brick &c.,.....	1,299 50
Appropriation for School Houses, for lumber, nails and hooks,.....	8 13
Appropriation for Roads and Bridges, for engineering services and labor,.....	480 38
Appropriation for Sewers and Drains, for sewer assessments, and for laying pipe across Northern Canal,.....	1,284 43
Halladay & Vreeland, for laying pipe, as per contract,.....	6,260 39
Halladay & Vreeland, for labor and material,.....	141 00
Proprietors of Locks and Canals on Merrimack River, for use of derrick,.....	16 50
G. S. & W. F. Howe, for carting pipe,....	1 75
A. S. Brown, for teaming coal,	239 96
Jesse Nichols, for teaming hay,.....	11 00
O. A. Simpson, for teaming, stone and labor,	806 19
G. E. Stanley, for teaming castings,.....	12 00
O. A. Simpson, for labor performed and materials furnished in construction of Reservoir street,.....	1,072 32

Amounts carried forward,..... \$24,910 94 \$201,145 00

Amounts brought forward,..... \$24,910 94 \$201,145 00

Paid for SUNDRIES :

To Frank A. Bayley, for labor,.....	18 00
Carey & Harris, for labor,.....	38 50
A. D. Collins, for labor,.....	2 00
Patrick Dempsey, for labor,.....	10 00
G. W. Hand, for labor,.....	31 50
J. H. Haskell, for filing saws,.....	10 50
Nelson Holmes, for labor and board of engineer,.....	33 43
John Holmes, for labor,.....	3 00
William Joyce, for labor,.....	43 75
Tibbetts & Co., for wrenches, key and labor,	4 75
Edward F. Watson, for repairing windows and fence,.....	8 25
John M. Washburn, for repairing window and door,.....	5 75
J. E. Conant, for use of carriage,.....	15 00
Elias Clark, for use of carriage,.....	5 00
H. O. Morse, for use of horse and carriage,	2 00
G. W. Norris, for use of carriage,.....	10 00
Merrill Perry, for use of carriage,.....	1 50
Merrimack House, for entertainment of engineers,.....	4 50
Washington House, for entertaining engi- neers and county commissioners,.....	16 50
George E. Evans, for cash paid for postage, telegrams, cloth, paste, &c.,.....	9 05
S. P. Griffin, for travelling expenses, ex- pressage, telegrams, postage, paper, horse medicine, labor, &c.,.....	95 83
John H. McAlvin, for cash paid for record- ing deeds, &c.,.....	3 90
Levi Sprague, for expenses to Philadelphia,	26 98
C. A. Hamblet, for services as appraiser,..	5 00
J. G. Peabody, for services as appraiser,..	7 50
F. H. Spaulding, for cash paid for services of appraisers,.....	5 40
S. L. Bailey, for cash paid for summoning witnesses,.....	14 00
Alfred Day, for cash paid for summoning witnesses,.....	54 50
J. G. Favor, for cash paid for summoning witnesses,.....	44 48
Henry Marshall, for cash paid for sum- moning witnesses,.....	15 80

Amounts carried forward,..... \$25,457 31 \$201,145 00

Amounts brought forward,..... \$25,457 31 \$201,145 00

Paid for **SUNDRIES** :

To Edward S. Philbrick, for professional services,.....	50 00	
Henry F. French, for professional services,	27 25	
D. S. & G. F. Richardson, for professional services,.....	857 60	
Register of Deeds, for recording notices,..	2 25	
E. A. & A. T. Smith, for concrete,.....	144 38	
G. S. Butters, for exchange of horses,....	62 00	
Merchants National Bank, for rent,.....	550 00	
Lowell Gas Light Co., for gas, labor, &c.,.	64 98	
Daniel Gage, for ice,.....	4 87	
Folsom & Tucker, for cotton cloth,.....	3 25	
George G. Kelley, for birch brush,.....	10 50	
F. H. Laforge, for right to manufacture and use patent service covers,.....	7 20	
A. Sanborn & Co., for police badges,....	10 50	
Henry G. Morris, for balance due on pumping engine,	4,913 15	
A. K. Hood, for amount overpaid on water bill,.....	4 67	
T. Bascom, for amount overpaid on water bill,	8 00	
J. B. Smith, for amount overpaid on water bill,.....	3 00	
T. G. Gerrish, for amount overpaid on water bill,.....	3 00	
S. L. Sawtelle, for amount overpaid on water bill,.....	3 00	
E. C. Rice, for amount overpaid on bill for service pipe,.....	11 59	
Amount of Superintendent of Public Buildings' bills,.....	27 13	
		32,225 63
*Whole expenditure for the year,.....		233,370 63
Balance undrawn January 1st, 1875,.....		54,624 14
		\$287,994 77

*Expended in 1870,.....	\$95,057 00
Expended in 1871,.....	624,151 66
Expended in 1872,.....	560,708 40
Expended in 1873,.....	349,717 87
Expended in 1874,.....	233,370 63

Whole amount expended to January 1, 1875,.....	1,863,005 56
Less amount credited from various sources,.....	167,629 70

Making net cost of Water Works to January 1, 1875,..... \$1,695,375 86

CORPORATION TAX.

Balance unappropriated January 1st, 1874,...	\$45,030 89	
		\$45,030 89

RECEIPTS.

Received from Commonwealth, for Taxes on Corporation Stocks collected by the State for 1872, (in part,).....	2,000 00	
Received from Commonwealth, for Tax on Corporation Stocks collected by the State for 1873, (in part,).....	2,094 13	
Received from Commonwealth, for Tax on Corporation Stocks collected by the State for 1874,.....	21,428 85	
		25,522 98
		\$70,553 87

TRANSFERS.

Transferred to Appropriation for Roads and Bridges,.....	25,000 00	
Transferred to Appropriation for Police,.....	10,000 00	
Transferred to Appropriation for Printing and Advertising,.....	1,000 00	
Transferred to Appropriation for Lighting Streets and Public Buildings,.....	2,500 00	
Transferred to Appropriation for Repairs of Public Buildings,.....	19,000 00	
Transferred to Appropriation for Salaries,....	2,500 00	
Transferred to Appropriation for Fire Department,.....	6,000 00	
		66,000 00
Balance unappropriated January 1, 1875,....		4,553 87
		\$70,553 87

NATIONAL BANK TAX.

Amount assessed on non-residents for National Bank Tax,	\$21,604 84
Received from Commonwealth, on account of National Bank Tax for 1873,.....	222 00
Received from Commonwealth, on account of National Bank Tax for 1874,.....	4,959 64
	<hr/> 5,181 64
	<hr/> \$26,786 48 <hr/>

PAYMENTS.

Paid Commonwealth, National Bank Tax of 1874,.....	\$21,401 20
Balance unappropriated January 1, 1875,.....	5,385 28
	<hr/> \$26,786 48 <hr/>

CITY DEBT.

Balance undrawn January 1, 1874,.....	\$9,989 47	
	<u> </u>	\$9,989 47

RECEIPTS.

Received of Lowell Institution for Savings,..	100,000 00	
Edward Ordway, Trustee,.....	1,500 00	
Lowell Five Cent Savings Bank,.....	25,000 00	
	<u> </u>	126,500 00
		\$136,489 47

PAYMENTS.

Paid to Boston Five Cents Savings Bank,....	100,000 00	
Town of Dracut, (as per resolution of the City Council,).....	25,000 00	
Town of Chelmsford, (as per resolution of the City Council,).....	1,500 00	
	<u> </u>	126,500 00
Balance undrawn January 1, 1875,.....		9,989 47
		\$136,489 47

INTEREST ON CITY DEBT.

Balance undrawn January 1st, 1874,.....	\$4,940 70	
Appropriated and assessed in 1874,.....	30,000 00	
	<u> </u>	\$34,940 70

RECEIPTS.

Received of Appleton National Bank, for interest on daily balances from July 1, 1873, to January 1, 1874,.....	2,518 32	
Received of Appleton National Bank, for interest on daily balances from January 1, 1874, to July 1, 1874,.....	2,360 00	
Received of Boston Five Cents Savings Bank, (overdraft,).....	266 67	
Received of Commonwealth, for interest on State Tax paid before it was due,.....	385 50	
	<u> </u>	5,530 49
		<u>\$40,471 19</u>

PAYMENTS.

Paid to City Institution for Savings,.....	11,127 50	
Salem Savings Bank,.....	1,625 00	
Mechanics Savings Bank,.....	2,275 00	
Lowell Institution for Savings,.....	6,998 33	
Lowell Five Cent Savings Bank,.....	1,100 00	
Boston Five Cents Savings Bank,....	5,691 67	
Trustees of the Will of Thomas Nesmith,	1,500 00	
Trustees of the Will of Thomas Nesmith, (High Street Church,).....	60 00	
Appleton National Bank, (Temporary Loan,).....	425 83	
	<u> </u>	30,803 33
Balance undrawn January 1, 1875,.....		9,667 86
		<u>\$40,471 19</u>

INTEREST ON WATER WORKS.

PAYMENTS.

Paid Lowell Institution for Savings, (on		
notes,)	\$18,600 00	
On Lowell Water Loan Bonds, (coupons,)	78,360 00	
	<hr/>	\$96,960 00
		<hr/>

*There remains due, (on coupons,) for interest on the Lowell Water Loan	
Bonds, January 1, 1875, which has not been called for,	\$14,160 00
	<hr/>

TAXES.

The amount of Taxes assessed on the Polls, and on the Real and Personal Estate in the City of Lowell, for the year 1874, was as follows :

VALUATION OF REAL AND PERSONAL PROPERTY.

Of Corporations, ...	\$16,134,962 00	Tax \$15.90 per \$1,000,	\$256,545 88
Residents,	19,324,820 00	“ “ “	307,263 39
Non-Residents,..	1,361,299 00	“ “ “	21,644 64
	<u>\$36,821,081 00</u>		<u>\$585,453 91</u>

Number of Polls, 11,126, at \$2.00,	22,252 00
	<u>607,705 91</u>
Add Bank Tax on Non-Residents assessed, and which were not added to the valuation of the City,	21,604 84
Total amount of Taxes assessed in 1874,	<u>\$629,310 75</u>

The City's proportion of the State Tax for 1873, was....	\$43,402 50
The City's proportion of the State Tax for 1874, was....	38,580 00
Decrease from 1873,	<u>\$4,822 50</u>

The City's proportion of the County Tax for 1874, was...	26,400 11
The City's proportion of the County Tax for 1873, was...	24,726 24
Increase over 1873,	<u>\$1,673 87</u>

The number of Polls in 1874, was.....	11,126
The number of Polls in 1873, was.....	10,805
	<hr/>
Increase over 1873,.....	321

Amount of Taxes assessed in 1874,.....	\$629,310 75
Amount of Taxes collected of the assessment of 1874, was.....	\$606,282 52
Amount of Taxes abated on the assessment of 1874, by the Assessors, prior to January 1, 1875, before collection, as per their Report, was.....	1,145 09
	<hr/>
	607,427 61
	<hr/>
Leaving the amount of Taxes, (assessed in 1874,) uncol- lected January 1, 1875,.....	\$21,883 14
	<hr/> <hr/>

APPROPRIATED AND ASSESSED IN 1874.

For the ordinary expenses of the City,.....	\$517,500 00
For State Tax,.....	38,580 00
For County Tax,.....	26,400 11
For Overlays, (or apportionment,).....	25,225 80
For Bank Tax on non-residents, assessed, and which shares of stock were not included in the valuation of the City,.....	21,604 84
	<hr/>
Total amount of Taxes on Property and Polls,.....	\$629,310 75
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Amount of Taxes assessed in 1872, uncollected January 1, 1874,.....	\$4,455 18
	<hr/>
Amount collected in 1874 of the Taxes of 1872,.....	\$81 68
Amount of Taxes abated on the assessment of 1873, by the Assessors, prior to Janu- ary 1, 1875, before collection, as per their Report, was.....	4,283 88
	<hr/>
	4,365 56
Amount of Taxes assessed in 1872, uncollected January 1, 1875,.....	89 62
	<hr/>
	\$4,455 18
	<hr/> <hr/>

Amount of Taxes assessed in 1873, uncollected January 1,		
1874,	\$33,926 55	
	<hr/>	
Amount collected in 1874 of the Taxes of		
1873,	\$19,870 01	
Amount of Taxes abated by the Assessors,		
before collection, on the assessment of		
1873, prior to January 1, 1875, as per		
their Report, was.....	700 76	
	<hr/>	
		20,570 77
Amount of Taxes assessed in 1873, uncollected January 1,		
1875,	13,355 78	
	<hr/>	
		\$33,926 55
		<hr/>

SINKING FUND
FOR REDUCTION OF THE WATER DEBT.

Appropriated and assessed in 1874,.....	\$25,000 00	
	<u> </u>	\$25,000 00
		<u> </u>
Invested at interest,.....	\$25,000 00	
	<u> </u>	\$25,000 00
		<u> </u>

TEMPORARY LOAN.

Borrowed of the Appleton National Bank, . . .	\$65,000 00	
	<hr/>	\$65,000 00
		<hr/>

PAYMENT.

Paid to Appleton National Bank,	\$65,000 00	
	<hr/>	\$65,000 00
		<hr/>

CARNEY MEDAL FUND.

*Received of James G. Carney, Esq., in 1858 and 1859, the amount of two hundred dollars, which is to remain a perpetual debt of the City forever; the interest to be applied in payment for the "Carney Medals," to the departments of the High School, (annually,)			\$200 00	
				200 00
Undrawn January 1, 1875,				\$200 00

*One Hundred dollars was donated August 24, 1858, and accepted by the City Council September 14, 1858, and One Hundred dollars additional, July 15, 1859, and accepted July 26, 1859. For the information of the citizens of Lowell, the Auditor respectfully refers them to the "Annual Report of the School Committee," for the year 1859, where all the correspondence between the donor and the recipient may be found.

TABLE OF APPROPRIATIONS FOR 1874,

INCLUDING THE BALANCES UNDRAWN AT THE COMMENCEMENT OF THE YEAR, AND THE RECEIPTS FROM ALL SOURCES DURING THE YEAR; ALSO THE EXPENDITURES FOR 1874, AND THE BALANCES UNDRAWN JANUARY 1, 1875.

	APPROPRIATIONS.	EXPENDITURES.	BALANCES.
Schools,	\$138,265 13	\$123,355 54	\$14,909 59
School-Houses,.....	13,077 01	10,501 42	2,575 59
Roads and Bridges,.....	177,407 23	153,260 24	24,146 99
Reserved Fund,.....	16,224 57	11,389 84	4,834 73
°State Aid for Disabled Soldiers and Sailors and their Families, and for the Families of the slain,.....			
Paupers,.....	30,714 35	25,429 00	5,285 35
Police,.....	65,598 41	52,315 38	13,283 03
Fire Department,.....	51,757 32	46,592 17	5,165 15
Sewers and Drains,.....	112,227 89	101,831 80	10,396 09
Commons,.....	10,282 66	6,051 84	4,230 82
Printing and Advertising,...	4,903 78	3,352 09	1,551 69
Lighting Streets and Public Buildings,.....	24,054 91	20,699 33	3,555 58
Repairs of Public Buildings,.	35,730 34	15,348 59	20,381 75
City Library,.....	5,912 91	4,546 61	1,366 30
Salaries,.....	21,986 31	19,242 78	2,743 53
Setting Trees,.....	81 87		81 87
City Debt,.....	136,489 47	126,500 00	9,989 47
Interest on City Debt,.....	40,471 19	30,803 33	9,667 86
Carney Medal Fund,.....	200 00		200 00
Corporation Tax,.....	70,553 87	66,000 00	4,553 87
Water Works,.....	405,625 65	351,001 51	54,624 14
Health Account,.....	3,036 53	1,954 99	1,081 54
National Bank Tax,.....	26,786 48	21,401 20	5,385 28
Sinking Fund for Water Debt,	25,000 00	25,000 00	

* Unsettled account with the Commonwealth.

NOTES DUE FROM THE CITY,

DECEMBER 31st, 1874.

DATE OF NOTES.	TO WHOM PAYABLE.	AMOUNT.	PER CENT.	INTEREST, WHEN DUE.	ANNUAL INTEREST.	INSTALLMENTS, WHEN DUE.	AMOUNT OF INSTALLMENTS.
1852, Sept. 1,	Lowell Inst'n for Savings,	\$30,000 00	5	Sept. 1 and Mar. 1,) each year.	\$1,500 00	1882, Sept. 1,	\$30,000 00
1857, Feb. 21,	City Institu'n for Savings,	10,500 00	5 5-6	Feb. 21, each year,	612 50	Nov. 1, 1875,	10,500 00
1862, Sept. 13,	Lowell Five Cents Savings Bank,	10,000 00	5½	Semi-annually,	550 00	Sept. 13, 1877,	10,000 00
1862, Sept. 13,	Lowell Five Cents Savings Bank,	10,000 00	5½	Semi-annually,	550 00	Sept. 13, 1882,	10,000 00
1862, Nov. 3,	City Institu'n for Savings,	30,000 00	5½	Nov. 3 and May 3,	1,650 00	1887, Nov. 3,	30,000 00
1864, April 1,	City Institu'n for Savings,	38,000 00	5¼	Oct. 1 and April 1,	1,995 00	1884, April 1,	38,000 00
1865, Jan. 13,	City Institu'n for Savings,	50,000 00	6	Semi-annually,	3,000 00	1880, January 13,	50,000 00
1865, March 22,	Lowell Inst'n for Savings,	37,000 00	6	Semi-annually,	2,220 00	1880, March 22,	37,000 00
1869, June 1,	Lowell Inst'n for Savings,	21,000 00	6	Semi-annually,	1,260 00	1879, June 1,	21,000 00
1870, March 1,	Mechanics' Savings Bank,	17,500 00	6½	Semi-annually,	1,137 50	1876, October 1,	17,500 00
1870, March 1,	Mechanics' Savings Bank,	17,500 00	6½	Semi-annually,	1,137 50	1878, October 1,	17,500 00
1870, April 1,	City Institu'n for Savings,	20,000 00	6¼ ⁵ / ₁₀₀	Semi-annually,	1,290 00	1881, October 1,	20,000 00

1870, June 1,	City Institu'n for Savings,	20,000 00	6 $\frac{4.5}{100}$	Semi-annually,	1,290 00	1883, October 1,	20,000 00
1870, Aug. 1,	City Institu'n for Savings,	20,000 00	6 $\frac{4.5}{100}$	Semi-annually,	1,290 00	1885, October 1,	20,000 00
*1871, March 6,	Bequest of Thomas Nesmith,	25,000 00	6	Semi-annually,	1,500 00	Perpetual debt,	25,000 00
†1871, April 10,	Bequest of Thomas Nesmith,	1,000 00	6	Semi-annually,	60 00	Perpetual debt,	1,000 00
1872, Aug 5,	Salem Savings Bank,	25,000 00	6 $\frac{1}{2}$	Semi-annually,	1,625 00	1882, August 5,	25,000 00
1873, Oct 17,	Lowell Inst'n for Savings,	30,000 00	7	Semi-annually,	2,100 00	1883, October 17,	30,000 00
1874, Aug. 7,	Lowell Inst'n for Savings,	100,000 00	6 $\frac{1}{2}$	Semi-annually,	6,500 00	1894, August 7,	100,000 00
1874, Nov. 18,	Edward Ordway, Trustee,	1,500 00	6 $\frac{1}{2}$	Semi-annually,	97 50	1879, Nov. 18,	1,500 00
1874, Nov. 25,	Lowell Five Cents Savings Bank,	25,000 00	6 $\frac{1}{2}$	Semi-annually,	1,625 00	1894, Nov. 25,	25,000 00
	Amount of City Debt, (ordinary),	\$539,000 00		Interest on ordinary City debt,	\$32,990 00		\$539,000 00
	Amount of Water Loans,	1,750,000 00		Interest on Water Loans,	106,350 00	Amount of Water Loans,	1,750,000 00
	Total amount of City debt,	\$2,289,000 00		Total Interest on City debt,	\$139,340 00		\$2,289,000 00

*Interest on the same, (for the poor).

†Interest on the same, (High Street Church).

DUE FROM THE CITY ON WATER LOANS,

DECEMBER 31st, 1874.

DATE OF NOTES AND BONDS.	TO WHOM PAYABLE.	AMOUNT.	PER CENT.		INTEREST, WHEN DUE.	ANNUAL INTEREST.	INSTALLMENTS, WHEN DUE.	AMOUNT OF INSTALLMENTS.
1870, Nov. 1, 1871, May 1,	Merchants Nat'l Bank, Lowell Institution for Savings,	\$200,000 00	6	Bonds,	Semi-annually,	\$12,000 00	1890, Nov. 1,	\$200,000 00
1870, Nov. 1, 1870, Nov. 1, 1870, Nov. 1, 1870, Nov. 1,	Railroad Nat'l Bank, Mechanics Savings B'k, City Institution for Savings,	200,000 00 150,000 00 50,000 00	6 6 6	City's Note, Bonds, Bonds,	Semi-annually, Semi-annually, Semi-annually,	12,000 00 9,000 00 3,000 00	1891, May 1, 1890, Nov. 1, 1890, Nov. 1,	200,000 00 150,000 00 50,000 00
1870, Nov. 1, 1870, Nov. 1, 1870, Nov. 1, 1870, Nov. 1,	Merchants Nat'l Bank, Brewster, Sweet & Co., Brewster, Sweet & Co., Merchants Nat'l Bank,	100,000 00 100,000 00 50,000 00 50,000 00	6 6 6 6	Bonds, Bonds, Bonds, Bonds,	Semi-annually, Semi-annually, Semi-annually, Semi-annually,	6,000 00 6,000 00 3,000 00 3,000 00	1890, Nov. 1, 1890, Nov. 1, 1890, Nov. 1, 1890, Nov. 1,	100,000 00 100,000 00 50,000 00 50,000 00
1870, Nov. 1, 1870, Nov. 1, 1870, Nov. 1,	Merchants Nat'l Bank, Worcester County In- stitution for Savings, William Shepard,	100,000 00 30,000 00 3,000 00	6 6 6	Bonds, Bonds, Bonds,	Semi-annually, Semi-annually, Semi-annually,	6,000 00 1,800 00 180 00	1890, Nov. 1, 1890, Nov. 1, 1890, Nov. 1,	100,000 00 30,000 00 3,000 00
1870, Nov. 1, 1870, Nov. 1, 1870, Nov. 1, 1870, Nov. 1, 1870, Nov. 1,	Lowell Five Cents Sav- ings Bank, William Shepard, E. G. Woodman, William Shepard, Marlborough Savings Bank, Marlborough,	30,000 00 15,000 00 2,000 00 20,000 00	6 6 6 6	Bonds, Bonds, Bonds, Bonds,	Semi-annually, Semi-annually, Semi-annually, Semi-annually,	1,800 00 900 00 120 00 1,200 00	1890, Nov. 1, 1890, Nov. 1, 1890, Nov. 1, 1890, Nov. 1,	30,000 00 15,000 00 2,000 00 20,000 00
1870, Nov. 1, 1870, Nov. 1, 1870, Nov. 1, 1870, Nov. 1, 1870, Nov. 1,	R. L. Day & Cobb, William Shepard, Brewster, Sweet & Co., William Shepard, Brewster, Sweet & Co.,	10,000 00 5,000 00 25,000 00 25,000 00 1,000 00	6 6 6 6 6	Bonds, Bonds, Bonds, Bonds, Bond,	Semi-annually, Semi-annually, Semi-annually, Semi-annually, Semi-annually,	600 00 300 00 1,500 00 1,500 00 60 00	1890, Nov. 1, 1890, Nov. 1, 1890, Nov. 1, 1890, Nov. 1, 1890, Nov. 1,	10,000 00 5,000 00 25,000 00 25,000 00 1,000 00
1870, Nov. 1,	Brewster, Sweet & Co.,	10,000 00	6	Bonds,	Semi-annually,	600 00	1890, Nov. 1,	10,000 00

1870, Nov. 1,	Lowell Five Cents Sav- ings Bank,	16,000 00	6	Bonds,	Semi-annually,	960 00	1890, Nov. 1,	16,000 00
1870, Nov. 1,	John F. Kimball,	1,000 00	6	Bond,	Semi-annually,	60 00	1890, Nov. 1,	1,000 00
1870, Nov. 1,	William Shepard,	3,000 00	6	Bonds,	Semi-annually,	180 00	1890, Nov. 1,	3,000 00
1873, June 14,	Lowell Institution for Savings,	100,000 00	6 6-10	City's Note,	Semi-annually,	6,600 00	1893, June 14,	100,000 00
1870, Nov 1,	Brewster, Sweet & Co.,	25,000 00	6	Bonds,	Semi-annually,	1,500 00	1890, Nov. 1,	25,000 00
1870, Nov. 1,	Lowell Water Loan							
	Sinking Fund,	3,000 00	6	Bonds,	Semi-annually,	180 00	1890, Nov. 1,	3,000 00
1870, Nov. 1,	Lucian H. Reed,	1,000 00	6	Bond,	Semi-annually,	60 00	1890, Nov. 1,	1,000 00
1870, Nov. 1,	Lucian H. Reed,	1,000 00	6	Bond,	Semi-annually,	60 00	1890, Nov. 1,	1,000 00
1870, Nov. 1,	William Shepard,	135,000 00	6	Bonds,	Semi-annually,	8,100 00	1890, Nov. 1,	135,000 00
1870, Nov. 1,	Lowell Water Loan							
	Sinking Fund,	1,000 00	6	Bonds,	Semi-annually,	60 00	1890, Nov. 1,	1,000 00
1870, Nov. 1,	William Shepard,	6,000 00	6	Bonds,	Semi-annually,	360 00	1890, Nov. 1,	6,000 00
1870, Nov. 1,	G. T. Williams,	7,000 00	6	Bonds,	Semi-annually,	420 00	1890, Nov. 1,	7,000 00
1870, Nov. 1,	Frederick Bailey,	3,000 00	6	Bonds,	Semi-annually,	180 00	1890, Nov. 1,	3,000 00
1870, Nov. 1,	Weld Spaulding,	1,000 00	6	Bond,	Semi-annually,	60 00	1890, Nov. 1,	1,000 00
1870, Nov. 1,	G. T. Williams,	1,000 00	6	Bond,	Semi-annually,	60 00	1890, Nov. 1,	1,000 00
1870, Nov. 1,	William Shepard,	19,000 00	6	Bonds,	Semi-annually,	1,140 00	1890, Nov. 1,	19,000 00
1870, Nov. 1,	James Harper,	1,000 00	6	Bond,	Semi-annually,	60 00	1890, Nov. 1,	1,000 00
1874, Oct. 14,	City Institution for Savings,	50,000 00	6½	City's Note,	Semi-annually,	3,250 00	1894, Oct. 14,	50,000 00
1874, Nov. 12,	Lowell Institution for Savings,	100,000 00	6½	City's Note,	Semi-annually,	6,500 00	1894, Nov. 12,	100,000 00
		\$1,750,000 00				\$106,350 00		\$1,750,000 00

DEBTS DUE THE CITY.

January 1, 1875.

For Taxes of 1872,.....	\$ 89 62	
Taxes of 1873,.....	13,355 78	
Taxes of 1874,.....	21,883 14	
		<u>\$35,328 54</u>
Sidewalk Assessments,.....	9,866 49	
Water Rates and Service Pipe,.....	8,019 80	
Note of Hanover Dickey, secured by mortgage,.....	300 00	
Execution against Horace Howard,.....	48 21	
Rent of Stores in City Government Building,.....	960 00	
Rent of Store and Cellar in Market House Building,.....	300 00	
Rent of Tenements on Kirk street,.....	317 50	
Sundry persons, book account,.....	946 71	
		<u>20,758 71</u>
From Commonwealth, State aid of 1874,.....	14,772 66	
Commonwealth, Rent of Armories,.....	1,200 00	
		<u>15,972 66</u>
		<u><u>\$72,059 91</u></u>

REAL ESTATE OWNED BY THE CITY.

City Government Building,.....	\$25,000 00
Huntington and Jackson Halls,.....	35,000 00
Common, south of City Government Building,.....	10,600 00
South Common,.....	23,300 00
North Common,.....	18,300 00
Belvidere Park,.....	2,300 00
Mount Vernon Park,.....	1,000 00
Market House,.....	47,000 00
City Scales, rear of Market House,.....	1,000 00
Almshouse and Farm,.....	25,000 00
High School-house, of brick, on Anne and Kirk streets,..	43,000 00
North and South Grammar School-houses, of brick,.....	26,000 00
Grammar School-house, of brick, in Belvidere,.....	12,000 00
Grammar School-house, of brick, corner Middlesex and Branch streets,.....	12,500 00
Grammar School-house, of brick, on Lawrence street,....	21,000 00
Grammar School-house, of brick, on Lewis street,.....	12,500 00
Grammar School-house, of brick, in Centralville,.....	17,000 00
Grammar School-house, of brick, on Merrimack street,...	105,800 00
Sherman School-house, Powell street,.....	7,000 00
Primary School-house and Ward Room, of brick, corner of Merrimack and Race streets,.....	3,400 00
Primary School-house and Ward Room, of brick, on Church street,.....	4,600 00
Primary School house, of brick, on Middlesex street, near Hamilton Corporation, for four schools,.....	6,000 00
Primary School-house, of wood, School street,.....	1,000 00
Primary School-house, of wood, High street, two schools,. .	3,600 00
Primary School-house, of wood, Grand street,.....	1,000 00
Primary School-house, of brick, Paige street,.....	2,300 00
Primary School-house, of wood, Carter street,.....	6,000 00
Primary School-house, of wood, Charles street,.....	2,000 00
Primary School-house, of wood, Fayette street,.....	5,500 00
Primary School-house, of wood, for two schools, Cabot street,.....	2,600 00
<i>Amount carried forward,.....</i>	<i>\$483,300 00</i>

<i>Amount brought forward</i> ,.....	\$483,300 00
Primary School-house, of wood, Rock street,.....	2,100 00
Primary School-house, of wood, Salem street, near Common Avenue,.....	1,500 00
Primary School-house, of wood, for three schools, Adams street,.....	3,500 00
Primary School house, of wood, for two schools, on the corner of Adams and Cross streets,.....	3,600 00
Primary School-house, West Sixth street,.....	7,000 00
Primary School-house, of wood, Fourth street,.....	2,500 00
Primary School-house, of wood, on Ames and Lawrence streets,.....	7,700 00
Primary School-house, of wood, on Chapel street,.....	5,400 00
Primary School-houses, of wood, on Central and Chapel streets,.....	9,000 00
Primary School-house, of brick, on Howard street,.....	4,000 00
Primary School-house on High street,.....	15,000 00
Primary School-house, of brick, for four schools, Worthen street,.....	26,000 00
Hose Carriage House and Ward Room, on Fayette street,.	3,100 00
Hook and Ladder House, of brick, on Middle street,.....	3,000 00
Double Engine House and Stable, of brick, on Middle street,.....	10,250 00
Engine House and Stable, of brick, on Middlesex street,.	6,550 00
Engine House, of wood, at Ayer's City,.....	500 00
Hose Carriage House, of wood, on Central street,.....	1,700 00
Engine and Hose House, of brick, on Warren street,.....	1,800 00
Ward Room and Carpenter's Shop, of brick, on Middle street,.....	3,000 00
Gun House and Ward Room, of wood, on South street,...	1,200 00
Lot of Land on the corner of Willie and Fletcher streets, for Hose House and Ward Room,.....	2,500 00
Stable and Land on Western Avenue,.....	10,000 00
Three acres of Land near the Pound,.....	575 00
Public Landing, rear Market House, exclusive of the Landing set off by the Locks and Canals,.....	1,250 00
Lot of Land, gravel lot, in Centralville,.....	190 00
Lot of Land and Stone Ledge, purchased in 1866, on the east side of Fletcher street,.....	1,956 68
Lot of Land and Stone Ledge, purchased in 1863, on the south side of Whiting street,.....	2,200 00
Two Lots of Land, with buildings, on Broadway, La-Grange, Fletcher and Cross streets, purchased in 1869,.....	27,000 00
Lot of Land on the corner of Fletcher and Whiting streets, purchased in 1869,.....	2,133 99
<i>Amount carried forward</i> ,.....	\$649,505 67

<i>Amount brought forward</i> ,.....	\$649,505 67
Pest House on City Farm,.....	2,500 00
House of Chaplain on City Farm,.....	2,500 00
Lot of Land and Buildings thereon, corner of Kirk and Lee streets, for school purposes,.....	16,000 00
Lot of Land on Gorham street, purchased for Fire Depart- ment,.....	2,882 00
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	\$673,387 67

WATER WORKS.

The Real Estate and Personal Property belonging to the
City, occupied and used by the Water Works, the net
cost of which is to January 1, 1875,.....\$1,695,375 86

PERSONAL PROPERTY OWNED BY THE CITY.

LIST OF PERSONAL PROPERTY IN THE
CARE OF JOHN C. WOODWARD, SUPER-
INTENDENT OF STREETS, JANUARY 1,
1875 :

Stone Crusher and Engine.....	\$1,500 00
Blacksmith Tools and Stock on hand,.....	600 00
300 cords of Hard Wood,.....	2,100 00
253 cords of Pine Wood,.....	1,518 00
400 tons of Coal at yard,.....	3,600 00
4 tons of Hay,.....	100 00
5 tons of Straw,.....	115 00
4 tons of Carrots,.....	56 00
120 bushels of Oats,.....	93 60
4 bags of Meal,.....	8 00
4 Rakes,.....	2 00
4 Street Rakes,.....	3 00
24 Horses,.....	6,000 00
10 sets of Double Harnesses,.....	600 00
7 sets of Single Harnesses,.....	280 00
5 sets of Lead Harnesses,.....	50 00
4 sets of other Harnesses,.....	80 00
15 Carts,.....	1,200 00
1 Watering Cart,.....	120 00
4 Wood Wagons,.....	320 00
1 Pauper Wagon,.....	75 00
1 Lumber Wagon,.....	80 00
3 Single Wagons,.....	170 00
2 Scavenger Dump Sleds,.....	160 00
9 Double Wood Sleds,.....	675 00
3 Old Sleds,.....	30 00
1 Single Sleigh,.....	75 00
1 Pauper Sleigh,.....	100 00
10,000 feet Sewer Plank,.....	100 00
2,000 feet Oak Plank,.....	110 00
2,500 feet Pine Plank,.....	80 00

Amount carried forward,..... \$20,000 60

<i>Amount brought forward,</i>	\$20,000 60
1,000 feet Spruce Plank,.....	22 00
83 Shovels,.....	90 00
20 Snow Shovels,.....	30 00
18 Hoes,.....	15 00
4 Corn Brooms,.....	2 00
20 Street Brooms,.....	10 00
42 Lanterns,.....	42 00
8 Oil Cans,.....	4 00
15 Pails,.....	10 00
18 Feed Baskets,.....	7 50
9 Hay Forks,.....	9 00
56 Picks,.....	98 00
440 lbs. Cast Steel Drills,.....	96 00
24 Crowbars,.....	61 20
2 Churn Drills,.....	6 00
16 Striking Hammers,.....	40 00
6 Paving Hammers,.....	6 00
8 Stone Hammers,.....	20 00
20 Axes,.....	20 00
1 Adze,.....	1 50
12 Plug Drills,.....	2 60
2 Well Jacks,.....	90 00
2 Jack Screws,.....	10 00
6 Paving Mauls,.....	30 00
2 Hand Hammers,.....	2 50
2 Ploughs,.....	24 00
2 Street Scrapers,.....	16 00
2 Scythes,.....	4 00
25 Curry-combs and Brushes,.....	75 00
29 Horse Collars,.....	116 00
29 Halters,.....	56 00
28 Horse Blankets,.....	70 00
27 Surcingles,.....	27 00
1 Horse Sling,.....	15 00
5 Horse Covers,.....	25 00
2 Buffalo Robes,.....	24 00
2 Stone Truck Drags,.....	150 00
1 Stone Drag,.....	10 00
16 Wheelbarrows,.....	112 00
44 Stake Chains,.....	22 00
8 Draught Chains,.....	45 60
1 Platform Scale,.....	12 00
1 Hay Cutter,.....	10 00
1 Stone Roller,.....	120 00
1 Grindstone,.....	10 00

Amount carried forward,..... \$21,669 50

<i>Amount brought forward,.....</i>	\$21,669 50
1 Boiler,.....	4 00
1 Boring Machine,.....	8 00
1 Sand Screen,.....	10 00
1 Coal Screen,.....	15 00
160 feet Wide Flagging,.....	160 00
2,150 feet Edgestone,.....	903 84
17 Corner Stone,.....	102 00
3,000 Brick,.....	31 50
1 Copper Pump,.....	12 50
2 Sewer Pumps,.....	50 00
16 Manhole Stops,.....	2 80
3 Cesspool Grates,.....	36 00
1 Cesspool Grate and Trap,.....	25 00
4 Stoves,.....	40 00
48 Sign Boards,.....	26 40
1 Saw Frame, Arbor and Saws,.....	50 00
4 Hand Saws,.....	5 00
8 Tool Chests,.....	40 00
Bed and Bedding,.....	65 00
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	\$23,256 54

LIST OF PERSONAL PROPERTY IN THE
CARE OF LORENZO PHELPS, SUPERIN-
TENDENT OF THE ALMSHOUSE AND
FARM, JANUARY 1, 1875:

6 Horses,.....	975 00
5 Cows,.....	300 00
16 Pigs,.....	180 00
60 Fowls,.....	37 50
35 tons English Hay,.....	875 00
8 tons English Hay,.....	160 00
10 tons Meadow Hay,.....	160 00
55 tons Coal,.....	440 00
90 cords Wood,.....	450 00
28 bushels Onions,.....	16 80
900 bushels Potatoes,.....	675 00
20 bushels Turnips,.....	5 00
266 bushels Sugar Beets,.....	106 40
40 bushels Beets,.....	20 00
30 bushels Parsnips,.....	30 00
2 bushels Rye,.....	2 20
12 bushels Beans,.....	31 00
60 bushels Oats,.....	45 00
5½ tons of Carrots,.....	103 50
A lot of Corn,.....	29 00
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<i>Amount carried forward,.....</i>	\$4,641 40

<i>Amount brought forward</i> ,.....	\$4,641 40
A lot of Bran and Grass Seed,.....	103 00
A lot of Cabbages,.....	12 50
650 gallons Cider,.....	91 00
300 gallons Vinegar,.....	87 50
55 barrels Flour,.....	378 12
3,395 lbs. Pork, Lard, Ham, &c.,.....	407 40
800 lbs. Scraps,.....	13 00
150 lbs. Beef,.....	13 50
22 barrels Apples,.....	44 00
A lot of Groceries, &c.,.....	390 00
A lot of Clothing, Bedding, Furniture, &c.,..	5,071 38
Tools and Machinery in Blacksmith Shop,..	80 00
Tools and Lumber in Carpenter Shop,.....	47 00
2 Two-Horse Wagons,.....	325 00
3 Express Wagons,.....	435 00
1 Hay Wagon and Rack,.....	140 00
2 Dump Carts,.....	250 00
1 Cart,.....	80 00
1 Carryall,.....	200 00
1 Night Cart,.....	125 00
1 Sleigh,.....	8 00
1 Traverse Runner Sleigh,.....	65 00
2 Two-Horse Traverse Runners,.....	150 00
1 Horse Sled,.....	15 00
1 Ox Sled,.....	20 00
1 Harness,.....	25 00
2 Double Harnesses,.....	70 00
3 Single Harnesses,,.....	25 00
1 Cart Harness,.....	10 00
2 Robes,.....	4 00
1 Mowing Machine,.....	75 00
1 Horse Rake,.....	20 00
4 Ox Yokes,.....	16 00
1 Hay Tedder,.....	60 00
1 Hay Cutter,.....	5 00
1 Corn Sheller,.....	5 00
1 Fan Mill,.....	5 00
1 Seed Sower,.....	8 00
Rakes and Ladders,.....	15 00
Plows, Shovels, Hoes, Picks, Bars, &c.,.....	135 50
Cradles, &c.....	8 50
A lot of Tools,.....	25 00
3 Harrows,.....	24 00
Grindstones, Scythes, &c.,.....	30 00
12 Pitchforks,.....	12 00

Amount carried forward,..... \$13,770 80

<i>Amount brought forward,</i>	\$13,770 80	
100 Chestnut Posts,	52 00	
1 Swill Box,	7 00	
75 Hot Bed Sashes,	140 00	
20 Poor Sashes,	20 00	
10 Window Sashes,	2 50	
40 Coffins,	120 00	
12 Baskets,	9 00	
48 Boxes,	16 80	
30 Boxes,	4 50	
Strawberry Boxes,	12 50	
1 Hand Engine and Hose,	145 00	
4 Hogsheads,	4 00	
32 Barrels,	32 00	
Bedding and Furniture at Small-Pox Hospital,	401 10	
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		\$14,737 20

LIST OF PERSONAL PROPERTY IN THE
CARE OF LORENZO G. HOWE, SUPER-
INTENDENT OF PUBLIC BUILDINGS,
AT THE CITY'S SHOP, JANUARY 1, 1875 :

1,000 feet Canada Boards,	40 00	
16 Ladder Sides,	10 00	
200 feet Cherry Boards,	12 00	
100 feet Sheathing,	3 50	
200 feet Birch Boards,	6 00	
20 feet Black Walnut Boards,	4 00	
1 Teacher's Desk,	25 00	
180 new Primary School Desks,	270 00	
74 School Chairs,	50 00	
1,000 feet Oak Plank,	45 00	
1,000 feet Old Lumber,	15 00	
100 feet Moulding,	2 00	
200 Pedestals,	105 00	
200 Desk Irons,	150 00	
350 boxes Crayons,	45 50	
18 boxes Assorted Crayons,	22 00	
27 Brooms,	8 90	
5 Wash Basins,	2 50	
6 Ink Fillers,	3 50	
14 Floor Mats,	24 00	
3 Stove Brushes,	1 50	
10 yards Enameled Cloth,	7 50	
9 Chairs,	15 00	
150 Chairs at Ward Room No. 3, (Evening School,)	75 00	
		<hr/>
<i>Amount carried forward,</i>	\$942 90	

<i>Amount brought forward,.....</i>	\$942 90	
15 Chairs at Primitive Methodist Vestry, (Evening School,).....	7 50	
370 Chairs at Green School, (Evening School,)	327 50	
100 Hard Wood Stools at Green School, (Drawing School,).....	105 00	
300 feet Rubber Hose,.....	60 00	
75 Old School Chairs,.....	37 00	
4 Settees,.....	16 00	
90 Tables at Green School, (Evening School,)	315 00	
40 Stools at Green School, (Evening School,)	40 00	
15 Tables at Primitive Methodist Vestry, (Evening School,).....	50 50	
4 Tables at Howard Chapel, (Evening School,)	14 00	
12 Tables at Ward Room No. 3, (Evening School,).....	38 00	
8 yards Carpet,.....	24 00	
4 boxes Glass,.....	14 00	
12 pairs Butts,.....	5 00	
2 papers Trunk Nails,.....	30	
4 casks Nails,.....	18 00	
5 papers Tacks,.....	48	
40 Erasers,.....	8 00	
6 Door Knobs and Sash Fastenings,.....	2 50	
2 Bolts and Cupboard Catches,.....	1 00	
5 gross Screws,.....	3 75	
50 Wardrobe Hooks,.....	2 00	
6 Locks,.....	3 00	
11 papers Brads,.....	1 10	
24 large Coffins,.....	96 00	
39 small Coffins,.....	117 00	
18 Desk Locks,.....	6 00	
		\$2,255 53

LIST OF TOOLS IN CHARGE OF SUPERIN-
TENDENT OF PUBLIC BUILDINGS, JAN-
UARY 1, 1875:

2 Picks,.....	\$2 75	
10 Shovels,.....	5 00	
1 Iron Bar,.....	2 50	
9 Wheelbarrows,.....	16 00	
1 Shingle Ripper,.....	1 50	
1 Jack Screw,.....	5 00	
12 Paint Pots,.....	3 00	
10 Oil Cans,.....	4 00	
12 Paint Brushes,.....	4 50	
<i>Amount carried forward,.....</i>	\$44 25	

<i>Amount brought forward,.....</i>	\$44 25	
1 Grindstone,.....	6 00	
1 pair Steelyards,.....	1 50	
3 Augers,.....	3 50	
3 Door Sets,.....	3 00	
11 Ladders,.....	26 00	
5 pairs Steps,.....	10 00	
4 Hand Screws,.....	3 50	
6 Wood Saws,.....	5 00	
3 Pump Hooks,.....	1 50	
8 Axes,.....	7 00	
5 pairs Piper's Tongs,.....	13 00	
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		\$124 25

LIST OF PERSONAL PROPERTY IN THE
CARE OF GEORGE HOBSON, SUPERIN-
TENDENT OF STREET LAMPS, JANUARY
1, 1875 :

596 Gas and 32 Fluid Lanterns, Posts, &c.,..	\$15,000 00	
2 Horses,.....	200 00	
2 Wagons,.....	75 00	
3 Sleighs,.....	150 00	
1 Building,.....	100 00	
2 Harnesses,.....	40 00	
4 Horse Blankets,.....	5 00	
1 Horse Cover,.....	5 00	
3 Curry-combs, &c.,.....	3 00	
18 Globes,.....	22 50	
20 Square Lanterns,.....	160 00	
3 Square Fluid Lanterns,.....	12 00	
1 large Oil Can,.....	10 00	
1 Oil Can, 8 gallons,.....	3 00	
2 Oil Cans, 6 gallons,.....	4 00	
3 Oil Cans, 3 gallons,.....	5 00	
3 Oil Cans, 1 gallon,.....	1 00	
72 Fluid Lamps,.....	36 00	
6 Fluid Fixtures,.....	42 00	
1 Iron Bar,.....	3 00	
3 pairs Pliers,.....	6 00	
1 pair Nippers,.....	1 00	
3 pairs Tongs,.....	5 00	
1 Air Pump,.....	30 00	
50 Lamp Post Cocks, (old,).....	15 00	
4 gross Matches,.....	8 00	
16 Ladders,.....	24 00	
40 gallons Alcohol,.....	80 00	
		<hr/>
<i>Amount carried forward,.....</i>	\$16,045 50	

<i>Amount brought forward,</i>	\$423 00
3 Tables,.....	25 00
2 Clocks,.....	35 00
7 Spittoons,.....	1 75
6 Cell Stools.....	1 50
27 Buckets,...	10 00
2 Brooms,.....	50
1 Hammer,.....	1 00
1 Axe,	50
1 Shovel,.....	50
1 Sofa,.....	10 00
10 gross Police Buttons,.....	54 00
2 Dies for Police Buttons,.....	60 00
2 Dust Pans,.....	50
3 Water Pails,.....	75
12 Tin Dippers,.....	1 20
1 Tub,.....	1 00
2 Coal Hods,.....	2 00
19 Mattresses,.....	38 00
44 Blankets,.....	44 00
5 Comforters,.....	7 50
4 Bedsteads,.....	16 00
2 Teapots,.....	1 00
2 Brushes,.....	50
2 Mats,.....	2 00
1 Settee,..	2 00
16 yards Oil Cloth,.....	8 00
1 Card Rack,.....	1 00
1 Wash Basin,.....	3 00
3-4 barrel Soap,.....	3 00
1 copy General Statutes,.....	4 00
1 copy Supplement to General Statutes,.....	4 00
1 copy Lowell Directory,.....	1 00
1 copy City Ordinances,.....	1 00
6 quires Letter Paper,.....	1 00
Postage Stamps,.....	1 50
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	\$766 70
Furniture in Government Building, Hunting- ton Hall and Jackson Hall,.....	\$8,000 00
Furniture in School-houses, not included in the Real Estate,.....	10,000 00
Furniture in Ward Rooms,.....	50 00
Flag Stuffs,.....	1,000 00
Cast Steel Bell on Market House Building, (so-called,).....	900 00
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<i>Amount carried forward,</i>	\$19,950 00

Bell on High Street Church Tower.....	\$ 500 00	
Furniture in Armories and Drill Room,.....	375 00	
Bell on Varnum School-house,.....	1,000 00	
In care of the Chief Engineer of the Fire Department, (Personal Property,).....	40,000 00	
In care of the Chief Engineer of the Fire Department, (Fire Alarm Telegraph,)...	17,000 00	
	<hr/>	\$78,825 00

FIRE DEPARTMENT.

The following schedule, furnished by the Chief Engineer, shows the number of Engines and Firemen, and condition of the Apparatus belonging to the Fire Department:

HOPE STEAM FIRE ENGINE COMPANY, No. 1.

13 MEMBERS.—HOUSE ON MIDDLE STREET.

Apparatus and Property owned by the City, in care of this Company.

This Company was organized and put in service May 1, 1866. The steamer was built by the Union Machine Company, of Fitchburg, and given in charge of this Company in October, 1870. The engine has two double-acting steam cylinders, $7\frac{1}{8}$ inches in diameter, and 8 inch stroke, and two double-acting pumps, $4\frac{3}{8}$ inches in diameter, and 8 inch stroke; weight, when loaded, 7,575 lbs.; horse hose carriage built by Amoskeag Co. in 1874, carrying 800 feet of hose; 1 horse hose sleigh; 1,500 feet $2\frac{1}{2}$ inch leading hose, in good condition; 32 feet suction hose; 6 reducing couplings; 2 axes; 3 horses; 1 pair harnesses; 1 single harness; 4 blankets; 1 pair hoods; 1 pair lead bars; 1 whiffletree; 3 beds and bedding; 1 bureau; 18 cane seat chairs; 6 common chairs; 1 table; 1 mirror; 1 two-way chuck; 1 four-way chuck; 1 spreading nozzle; 1 stop nozzle and pipe, and all necessary tools for cleaning horses and repairing engine; 13 silver badges.

TORRENT STEAM FIRE ENGINE COMPANY, No. 2.

13 MEMBERS.—HOUSE ON MIDDLESEX STREET.

Apparatus and Property owned by the City, in care of this Company.

This Company was organized and put into service May 1, 1861. The steamer was built by Hunneman & Co., Boston, and given in charge of this Company February 28, 1868. The engine has two double-acting steam cylinders, 8 inches in diameter, and 8 inch stroke; and two double-acting pumps, $4\frac{3}{8}$ inches in diameter, and 8 inch stroke. The pumps are so arranged that they can be worked separately in case of

accident to either of them ; the boiler will make steam enough to run the engine in five minutes ; weight, when loaded, 7,720 lbs. ; 30 feet suction hose, with hydrant couplings ; hose carriage built in 1868, by Hunneman & Co., drawn by hand, carrying 500 feet of hose ; 1,700 feet 2½ inch leading hose, in good condition ; 2 axes ; 1 reducing coupling ; 1 spreading nozzle ; 1 stop nozzle, with pipe ; 14 cane-seat chairs ; 3 common chairs ; 1 table ; 2 stoves ; 1 bureau ; 3 beds and bedding ; 2 mirrors ; 1 clock ; 1 pair horses ; 1 pair harnesses ; 4 blankets ; 1 pair lead bars ; and all necessary tools for cleaning horses and repairs of engine ; 1 two-way chuck ; 1 copper boiler ; 1 jack-screw ; 1 fuel wagon ; 13 hat-fronts ; 1 carriage jack ; 75 feet small rubber hose ; 1 rotary pump ; 13 silver badges.

WAMESIT STEAM FIRE ENGINE COMPANY, No. 3.

13 MEMBERS.—HOUSE ON MIDDLE STREET.

Apparatus and Property owned by the City, in care of this Company.

This Company was organized and put into service in October, 1859. In November, 1866, they were given in charge of a new steamer built by Hunneman & Co., of the same style, capacity, etc., as Steam Fire Engine No. 2 ; weight, when loaded, 7,650 lbs. ; 30 feet suction hose, with hydrant couplings ; hose carriage built by Hunneman & Co., Boston, carrying 500 feet hose ; 1 hose sleigh ; 2 reducing couplings ; 2 axes ; 1 spreading nozzle ; 1 stop-nozzle, with pipe ; 1,650 feet 2½ inch leading hose, in good condition ; 6 wooden chairs ; 18 cane-seat chairs ; 1 two-way chuck ; 1 table ; 2 mirrors ; 2 desks ; 1 bureau ; 3 beds and bedding ; 2 jack-screws ; 1 pair horses ; 2 pair harnesses ; 4 blankets ; 1 pair lead bars ; and all necessary tools for cleaning horses and repairs of engine ; 13 hat-fronts ; 13 silver badges.

The following articles are owned by the City and are used by both Companies : 2 whiffletrees ; 1 large stove ; 1 clock ; 50 feet ¾ inch rubber hose and pipe ; 1 copper boiler ; 1 fuel wagon ; 1 pair of runners.

RELIEF STEAM FIRE ENGINE.

HOUSE ON WARREN STREET.

Apparatus and Property owned by the City, in care of Steward of Ocean Hose Company.

Engine built by Silsby, Mynderse & Co., Seneca Falls, in 1861, on the rotary principle, 12 inch engine, 6 inch pump. In 1866 a new boiler was built by Hunneman & Co., Boston, which will make steam enough to run the engine in five minutes ; weight, when loaded, 8,300 lbs ; 30 feet suction hose, with hydrant couplings ; hose carriage built in 1861, by Joel Jenkins, drawn by horse, carrying 800 feet of hose, and all necessary tools for repairs of engine ; 500 feet 2¼ inch hose ; 100 feet rubber hose.

OCEAN HOSE COMPANY, No 1.

12 MEMBERS.—HOUSE ON WARREN STREET.

Apparatus and Property owned by the City, in care of this Company.

Hose Carriage built by Hunneman & Co., Boston, drawn by hand, carrying 750 feet of hose ; 1 hose sleigh ; 2,000 feet $2\frac{1}{2}$ inch leading hose, in good condition ; 1 spreading nozzle ; 2 axes ; 2 stoves ; 1 two-way chuck ; 4 reducing couplings ; 1 table ; 1 copper boiler ; 1 harness ; 20 chairs ; 2 mirrors ; 1 jack ; 1 coal hod ; 12 hat-fronts ; 30 feet of small rubber hose ; 1 settee ; 2 lanterns ; 1 carriage jack ; 2 shovels ; 12 silver badges.

MECHANICS HOSE COMPANY, No. 2.

12 MEMBERS.—HOUSE ON CROSS STREET.

Apparatus and Property owned by the City, in care of this Company.

Hose Carriage built by Juckett & Freeman of Boston, in 1869, carrying 900 feet of hose ; 1 hose sleigh ; 1,600 feet of $2\frac{1}{2}$ inch leading hose, in good condition ; 1 reducer ; 1 spreading nozzle ; 1 jack ; 50 feet rubber hose and pipe ; 2 settees ; 6 common chairs ; 12 cane-seat chairs ; 1 mirror ; 1 table ; 2 ladders ; 1 axe ; 1 two-way chuck ; 2 stoves ; 12 hat-fronts ; 12 silver badges.

EXCELSIOR HOSE COMPANY, No. 3.

12 MEMBERS.—HOUSE ON CENTRAL STREET.

Apparatus and Property owned by the City, in care of this Company.

Hose Carriage built by Juckett & Freeman, Boston, in 1869, drawn by hand, carrying 900 feet of hose ; 1 hose sleigh ; 1,500 feet $2\frac{1}{2}$ inch hose ; 30 feet $\frac{3}{4}$ inch hose ; 2 axes ; 4 buckets ; 8 common chairs ; 13 cane-seat chairs ; 1 mirror ; 2 stoves ; 1 table ; 2 settees ; 2 coal-hods ; 1 jack ; 20 feet rubber hose ; 1 ladder ; 4 reducers ; 6 hat-fronts ; 1 two-way chuck ; 1 two-horse carriage pole ; 1 copper boiler ; 1 coal sifter ; 2 shovels ; 1 carriage-jack ; 3 lanterns ; 1 wrench ; 1 reducer ; 1 pair steps ; 12 silver badges.

MAZEPPA HOSE COMPANY, No. 4.

12 MEMBERS.—HOUSE ON FAYETTE STREET.

Apparatus and Property owned by the City, in care of this Company.

Hose Carriage built by Wright & Co., Lowell, in 1871, carrying 900 feet of hose, drawn by hand ; 1 hose sleigh ; 1,650 feet $2\frac{1}{2}$ inch hose, in

good condition ; 1 spreading nozzle ; 2 axes ; 1 two-way chuck ; 2 reducing couplings ; 2 stoves ; 1 coal-hod ; 1 mirror ; 1 table ; 23 chairs ; 1 settee ; 30 feet of rubber hose and pipe ; 12 hat-fronts ; 5 lanterns ; 1 iron bar ; 1 shovel ; 12 silver badges ; 1 large clock.

WELLMAN HOSE COMPANY, No. 5.

12 MEMBERS.—HOUSE ON FOURTH STREET.

Apparatus and Property owned by the City, in care of this Company.

Hose Carriage formerly used by Steamer Co. No. 1, carrying 500 feet of hose ; 1 hose sleigh ; 1,500 feet of $2\frac{1}{2}$ inch leather hose ; 1 34 foot ladder ; 1 two-way chuck ; 1 wrench ; 2 reducing couplings ; 1 branch coupling ; 1 bar ; 8 spanners ; 2 lanterns ; 1 stove, (Aldrich ;) 1 settee ; 2 brooms ; 1 small shovel ; 1 coal-hod ; 1 duster ; 18 chairs ; 1 table ; 2 pails ; 12 silver badges.

FRANKLIN HOOK AND LADDER COMPANY, No 1.

28 MEMBERS.—HOUSE ON MIDDLE STREET.

Apparatus and Property owned by the City, in care of this Company.

Two Hook and Ladder Carriages, built by Juckett & Freeman of Boston, in 1869, carrying the following apparatus : 8 hooks, 12 props, 10 rakes, 8 pitchforks, 4 sledges, 4 axes, 6 stakes, 4 guy ropes of 84 feet each, 200 feet street rope, 16 ladders of the following lengths : 2 roof ladders, 18 feet each ; 1 do. do., of 20 feet ; 2 do. do., of 25 feet each ; 1 do. do., of 28 feet ; 1 ladder of 12 feet ; 1 do., of 24 feet ; 4 do., of 33 feet ; 2 butt ladders of 28 feet each ; 2 tip ladders of 30 feet each. By joining the tips and butts together they are enabled to raise ladders of 58 feet in length. 25 feet of rubber hose and pipe ; 6 ladders ; 100 feet of chain ; 10 chairs ; 1 stove ; 1 mirror ; 1 copper boiler ; 1 horse and harness ; 2 blankets ; 29 silver badges ; 2 small fire extinguishers, (Steiner's.)

FIRE APPARATUS AT STATIONARY POINTS.

To be used by Volunteers when Required.

ROCKET ENGINE, No. 2.—*House, Ayer City.* Hunneman & Co. engine, owned by City ; diameter of cylinders, $5\frac{1}{2}$ inches ; 16 inch stroke of piston ; 300 feet of leading hose ; 20 feet suction hose.

FIRE ALARM TELEGRAPH ; four circuits, 6 bell strikers, 34 signal boxes, and all necessary apparatus for the working of the same.

RECAPITULATION.

6 engineers ; 118 firemen ; 2 hand engines ; 4 steam fire engines ; 1 horse hose carriage ; 10 hose carriages ; 7 hose reels on runners ; 2 hook and ladder carriages ; 15,000 feet $2\frac{1}{2}$ inch leading hose ; 900 feet $2\frac{1}{4}$ inch leading hose ; 178 feet suction hose ; 8 horses ; 2 fuel wagons ; 1 small wagon ; 2 trucks ; 1 large traverse runner sleigh ; 80 hat-fronts ; 4 double harnesses ; 2 single harnesses ; 8 hooks ; 26 ladders ; 12 props ; 10 rakes ; 8 pitchforks ; 4 sledges ; 19 axes ; 200 feet street rope ; 100 feet of chain ; 28 reducing couplings ; 7 spreading nozzles ; 4 stop nozzles, with pipe ; 9 beds and bedding ; 160 chairs ; 31 settees ; 10 mirrors ; 17 stoves ; 8 tables ; 3 bureaus ; 3 clocks ; 6 blankets ; 7 two-way chucks ; 5 copper boilers ; 4 jack-screws ; 2 desks ; 135 silver badges ; 1 set dies for department badge.

The above apparatus is owned by the City, and is in good working order. The several companies are furnished with spanners, lanterns, signal lanterns, belts, axes, crowbars, shovels, and all necessary apparatus for the performance of their respective duties. There are 17 fire buckets at the Middle street engine house.

The City of Lowell has 16 Reservoirs where water can be procured in case of fire, situated as follows : 1 on Tyler street, at the corner of George street ; 1 on Chestnut street, at the corner of Willow street ; 1 on Salem street, near the intersection of Willie street ; 1 on Cross street, between Fletcher and Willie streets ; 1 on Central street, Hosford Square ; 1 on Myrtle street, at the head of Fifth street, Centralville ; 1 on Union street, at the corner of Chapel street ; 1 on the corner of Westford and Grand streets ; 1 on Fourth street, near Read street ; 1 on Chapel street, at the corner of Keene street ; 1 on Varney street, near Mt. Vernon street ; 1 on the corner of Queen street and Branch street ; 1 on the corner of Wilder street and Middlesex street ; 1 on the corner of Bridge and Seventh streets ; 1 on Howard street, at the corner of Hale street ; 1 on Forest street.

COMMON SEWERS AND RESERVOIRS

BUILT BY THE CITY, AND COST OF THE SAME.

From the Merrimack Canal through Market street to Concord River,.....	\$6,708 19
From the Merrimack Canal, westerly, and from the Western Canal, easterly, through Lowell street, crossing under Merrimack street, through Tilden street, to the Merrimack River,.....	13,800 00
On Central street, from Charles street to Union street,...	231 31
On Alder and Bartlett streets, from Livermore street to Merrimack River,.....	714 50
On Merrimack street, from Cabot street, westerly, to the west side of Austin street, also from Race street to Suffolk street,.....	635 58
On Race street, from the northerly side of the Northern Canal to Merrimack street,.....	865 87
On Moody street, from Race street, westerly, to the west side of Austin street,.....	855 36
On Dodge street, from Race street to Suffolk street,.....	184 68
On Cabot street, from a point near Northern Canal, southerly, to Salem street,.....	539 95
On Middlesex street, from Pearl street, westerly, 200 feet,	485 22
On Church and Lawrence streets, from Concord River to George street, and from Church to Tyler street,.....	1,247 31
From south side of City Hall, back of Merrimack street, to Unitarian Church, to Middle street, through Central street, entering the sewer at the corner of Central and Market streets,.....	1,112 00
Through Middle street, from Central to Merrimack Canal,	1,498 92
From Garnet street to Concord River, near Warren street,.....	4,980 37
On Jefferson street, from Lowell to Lewis street,.....	385 00
On Gorham street, from Middlesex to Charles street,.....	924 93
On Willow street,.....	297 00
<i>Amount carried forward,.....</i>	<i>\$35,466 19</i>

<i>Amount brought forward,</i>	\$35,466 19
On Merrimack street, from Nesmith to Fayette street,....	935 35
On Merrimack and Prescott streets,.....	503 62
On Merrimack street, near Colburn street,.....	255 30
On Garnet street,.....	102 50
From Pawtucket Canal, through Middlesex street to Grand street,.....	526 11
On Suffolk street,.....	1,137 33
On Bartlett street,.....	350 40
On Gorham street, from Union to Auburn street,.....	625 94
Through Middlesex to Queen street, and Queen to Somerset street,.....	529 07
On Fenwick street,.....	526 60
On Dummer street, from Lowell to Mechanic street,.....	349 48
On Worthen street, from Lowell to Mechanic street,.....	563 83
On Lee street, to John street, and through John to Vine street and passage-way east of the Museum ; also a drain through John street Avenue,.....	555 23
On Middlesex street,.....	352 12
On Alder street,.....	249 52
From Central, through Charles and Lawrence streets, to Concord River,.....	2,090 11
On Hurd street,.....	703 76
On Middlesex Place,.....	281 49
On Merrimack street, from Race street, westerly,.....	41 66
On Lowell street, from Suffolk to Cabot street,.....	508 37
On Central street, from Union to Ames street,.....	518 34
Through part of Andover, through Clay, and partly through Oak and High streets,.....	2,269 31
Through Elliot to Appleton street, westerly, to Thorndike street,.....	1,455 66
On Merrimack street, from Tremont to Hanover street,...	317 75
On Middlesex street, from Grand street, westerly,.....	187 81
On Ash street,.....	147 20
On Dutton street,.....	493 24
On Chestnut street,.....	340 69
On Adams street,.....	885 80
On Union and Chapel streets,.....	724 85
On Third street,.....	748 16
On Kirk Avenue,.....	238 64
On East Merrimack street,.....	231 43
On Bridge street,.....	1,500 00
On Branch street,.....	152 44
On Water street,.....	383 54
On Salem street,.....	217 53
On Jackson street,.....	185 89
<i>Amount carried forward,</i>	\$57,652 26

<i>Amount brought forward,</i>	\$57,652 26
On Fourth street,.....	927 98
On Adams and Lagrange streets,.....	1,257 47
On Fayette street,.....	192 95
On Hanover street,.....	85 85
On Merrimack street, from Decatur street, westerly,.....	136 55
On Andover street,.....	418 99
On Tyler street,.....	468 24
On Branch street,.....	764 58
On Fifth street,.....	469 41
On Favor street,.....	132 22
On Dutton street, from Lowell street, westerly,.....	234 51
On Suffolk street, from Cross street, southerly,.....	459 32
On River street,.....	301 30
On Andover street,.....	490 00
On Pawtucket street,.....	423 00
On Seventh street,.....	282 00
On Cady and Lawrence streets,.....	620 92
On North street,.....	331 80
On Warren street, sixty feet from Central street,.....	181 30
On John street Avenue,.....	156 44
On Bridge street, commencing at Tenth street, to Ferry Lane Road,.....	258 42
On Elm, Linden, Union, to Auburn street,	1,667 74
On Winter street,.....	632 10
On Crosby street, from Meadow River Brook, to Central street,.....	3,309 43
On Sixth street, from Read street, to the sewer in Bridge street,.....	650 50
On Mount Vernon street, from Rock street to Fulton street,.....	2,128 00
On Cedar street to Keene street,.....	1,304 55
On Marion street, from Cross street to Lagrange street....	1,165 70
On Branch street, from School street to a point near Loring street,.....	964 00
On Chapel, Walnut and Central streets, from Crosby street to near Gorham street,.....	3,834 86
On Cross street, from Fletcher street, westerly, to Mount Vernon street,.....	1,398 15
On Passage-way between Fletcher street and Willie street, crossing Broadway, to land of A. L. Brooks,.....	372 40
On Wamesit street, from Lawrence street to within about seventy-seven feet of Hosford Square,.....	1,302 16
On Taylor street, from Wamesit street to Concord River, ..	1,402 95
On Oak street, from Clay street to Harrison street,.....	800 57
On South street, from Summer street to the sewer on Appleton street,.....	895 81
<i>Amount carried forward,</i>	\$88,074 43

<i>Amount brought forward,.....</i>	\$88,074 43
For re-constructing sewer from Concord River through Church street to George street; thence through George street to Tyler street; thence through Tyler street to Central street; thence through Central street to Charles street; thence through Charles street to Gorham street; thence through Summer street to the South Common, (no assessments made,).	27,640 51
On Central street, from present sewer in said street, at the intersection of Central and Chapel streets, northerly, through Central street to Elm street,.....	4,559 80
On Lawrence street, from present sewer in Taylor street, northerly, through Lawrence street, to Richmond Avenue,.....	3,179 80
On Gorham and Central streets, from Walnut street through Gorham street to Central street; thence through Central street to Crosby street,.....	5,356 50
On Highland street, from Gorham street,.....	3,153 80
On Thorndike street,....	2,932 75
On School and Grove streets, from Branch street through School street to Grove street; thence through Grove street to Coral street,.....	2,847 88
On East Merrimack street,.....	494 00
On Dutton street, from Market street to Broadway,.....	2,582 06
On Jewett, West Sixth, and Hampshire streets, from Cornburn street through Jewett street to the Pumping Station of the Lowell Water Works; thence through West Sixth street, from the sewer in Jewett street, to the old stone drain which crosses West Sixth street, and from the sewer in West Sixth street, northerly, about fifty feet in Hampshire street,.....	2,817 16
On Howard street, and Howard street Outlet, between Middlesex and Railroad streets,....	6,304 94
From intersection of Suffolk street and Broadway, through Suffolk, Moody, Cabot and Perkins streets, and vacant land, to Merrimack River,.....	74,101 47
On Clark street, and Hancock and Willie Avenues, from Clark street through Hancock and Willie Avenues to Salem street,.....	1,181 78
On South street, from Summer street,.....	1,840 70
On High street, from Everett street to Andover street,...	658 14
On West Fourth and West Fifth streets, from Bridge street through West Fifth street and West Fourth street to Jewett streets,.....	1,833 92
On Davidson, Howe and Wall streets, from Merrimack street to the Concord River,.....	2,284 07
<i>Amount carried forward,.....</i>	\$231,848 71

<i>Amount brought forward</i> ,	\$231,848 71
On Carleton street, from Marshall street to Middlesex street, and in East Pine street, from Nichols street to Carleton street,	1,394 83
On Railroad street,	705 25
On Eleventh street, from a point near Methuen street, to Bridge street,	1,380 28
On Summer street,	3,246 68
On Willow street, from Andover street,	618 60
On Merrimack and Prescott streets, from a point opposite the City Government Building, through Merrimack and Prescott streets, to a point opposite store-house of Prescott Mills,	9,715 79
On Salem, Dane and Fletcher streets,	2,728 94
On Broadway, from Suffolk street to Fletcher street,	4,800 73
On Hurd, Central and Jackson streets,	3,283 15
For re-constructing sewer from Appleton street, through Gorham and Union streets, to a point near South street,	1,799 68
For re-constructing sewer on Andover street, from Clay street to Harrison street,	719 05
	<hr/>
	\$262,241 69

RESERVOIRS.

On Union street, at foot of Chapel street,	\$680 00
On Tyler street, at junction with George street,	669 00
On Chestnut street, at junction with Willow street,	763 00
On Cross street,	675 00
*On East Merrimack street, at junction with High street, and one on Salem street, near Common street, both, ..	1,964 82
On Central street at foot of Elm street,	600 00
In Centralville,	650 00
On Branch street,	588 86
On Fourth street, Centralville,	397 88
On Westford street,	280 48
On Chapel street,	474 21
On Varney street,	474 21
On the corner of Wilder and Middlesex streets,	994 44
On the corner of Bridge and Seventh streets,	1,472 94
On the corner of Howard and Hale streets,	1,146 92
On Forest street,	770 00
	<hr/>
	\$12,601 76

*East Merrimack Street Reservoir dispensed with.

WATER PIPE.

Expended in 1851,.....	\$8,304 12
“ 1852,.....	3,934 15
“ 1853,.....	221 56
“ 1857,.....	4,572 45
“ 1867,.....	26,079 61
“ 1868,.....	12,569 26
	<hr/>
	*\$55,681 15

*Above amount was charged to Appropriation for Water Pipe.

WATER PIPE DEPARTMENT.

LENGTH OF WATER PIPE LAID IN THE CITY, PRIOR TO THE
COMMENCEMENT OF CONSTRUCTION FOR THE WATER WORKS.

ALSO, SIZE OF PIPE AND NUMBER OF HYDRANTS.

	Length of Pipe.	No. of Hydrants.	Size of Pipe.
Central Street, from Merrimack to Market,.....	430	2	6 in.
Central Street, from Warren to Middlesex,.....	544	3	6 "
Central Street, from Warren to Middlesex,.....	544	1	12 "
Central Street, from Middlesex to Church,.....	240	1	4 "
Central Street, from Tower's Corner,.....	2,429	10	12 "
Middlesex Street, from Central to Branch,.....	3,711	14	12 "
Branch Street, from Middlesex to Smith,.....	500	3	12 "
Gorham Street, from Central to South,.....	1,950	7	4 "
Bridge Street,.....	475	4	8 "
French Street,.....	890	4	4 "
Kirk Street,.....	770	4	4 "
Merrimack Street, from Bridge to Cabot,.....	3,370	13	12 "
Merrimack to Middle (through City Hall Av.,) ..	220	2	4 "
Merrimack Street, from Cabot westerly,.....	440	2	8 "
Cabot Street, from Merrimack to Adams,.....	300	1	12 "
Adams Street,.....	2,255	11	8 "
Broadway, from Adams to School,.....	1,940	6	10 "
Cushing Street,.....	520	9	8 "
From Cushing Street to Middlesex,.....	1,035	3	8 "
	22,563	100	

Property belonging to Water Pipe Department.

About 1,000 feet cast iron pipe, 6 inch ; 10 yard hydrants ; 4 tamping mauls ; 3 torch stands ; 2 iron bars ; 1 wrench ; 1 hydrant pattern ; 1 two-way chuck pattern ; 1 pump and pipe.

STOP-GATES.

There are 14 Stop-Gates ; one 12 inch, on Central street, opposite Warren street ; one 8 inch, at the corner of Merrimack and Worthen streets ; one 8 inch, at the corner of Merrimack and Bridge streets ; one 8 inch, on Cabot, near Merrimack street ; one 12 inch, corner of Central and Jackson streets ; one 12 inch, Tower's corner ; one 8 inch, Western Avenue ; one 8 inch, Middlesex street ; and one Safety Valve, on Dutton street, at the head of Wamesit Court ; one 6 inch, on Gorham street ; one 12 inch, on corner of Middlesex and Gorham street ; one 12 inch, on Broadway, near Adams street ; one 8 inch, on Adams street, near Broadway ; one 8 inch, on Adams, near Salem street ; one 4 inch, in School-house yard on Merrimack street.

PROPERTY OWNED BY THE CITY,
NOT AVAILABLE.

Old Burial Ground on School street.

Burial Ground on the Boston Road, south of the Railroad.

Burial Ground on the same Road, south of the last named.

RECAPITULATION OF ASSETS OF THE CITY.

Real Estate,.....	\$673,387 67
Water Works,.....	1,695,375 86
Personal Property in care of Superintendent of Streets,...	23,154 54
Personal Property in care of Superintendent of Almshouse,	14,737 20
Personal Property in care of Superintendent of Street Lamps,.....	16,106 75
Personal Property in care of Chief Engineer,.....	40,000 00
Fire Alarm Telegraph, in care of Chief Engineer,.....	17,000 00
Personal Property at City Marshal's Office and Police Station, and Police Court Room,.....	956 45
Personal Property at the Government Building, Hunting-ton Hall and Jackson Hall,.....	8,000 00
Personal Property in care of Superintendent of Public Buildings,.....	2,379 78
Personal Property in School-houses,.....	10,000 00
Books in the City Library,.....	12,500 00
Debts due the City,.....	72,059 91
Bell in High Street Church Tower,.....	500 00
Bell on Varnum School-house,.....	1,000 00
Cast Steel Bell on Market House Building, (so called,)...	900 00
Flag Staffs,.....	1,000 00
Furniture in Armories and Drill Rooms,.....	375 00
Furniture in Ward Rooms,.....	50 00
	<hr/>
	\$2,589,483 16

LEASES AND RENTS OF PUBLIC BUILDINGS OWNED BY THE CITY.

	<i>Per Annum.</i>
Rented to Carleton & Hovey, one store in City Government Building,.....	\$1,300 00
Leased to William Bascom, one store in City Government Building, five years from January 1, 1872,.....	700 00
Rented to E. C. Leslie & Co., one store in City Government Building,.....	940 00
Leased to Alfred Gilman & Son, one store in City Government Building, four years from January 1, 1873,....	900 00
Leased to Charles P. Talbot & Co., store and cellar in Market House Building, for five years, from October 1, 1873,.....	1,200 00
Rented to Commonwealth, for Armories,.....	1,200 00
Rented to J. W. Bennett, land, corner of Middlesex and Grand streets,.....	50 00
Rented to County of Middlesex, Police Court Rooms,.....	500 00
Rented to Margaret Fiske, tenement No. 11 Kirk street, in brick block owned by the City,.....	350 00
Rented to Mrs. W. H. Gage, tenement No. 13 Kirk street, in brick block owned by the City,.....	300 00
Rented to S. W. Stickney, tenement No. 15 Kirk street, in brick block owned by the City,.....	220 00
Rented to Mrs. C. S. Finn, tenement No. 17 Kirk street, in brick block owned by the City,.....	400 00
	\$8,060 00

LANDS AND BUILDINGS FOR WHICH THE CITY PAYS RENT.

	<i>Per Annum.</i>
The City pays to the Boston & Lowell Railroad Company, for ground rent for Huntington and Jackson Hall Building, (on lease,).....	\$475 00
The City pays on lease to Charles B. Coburn, for rent of Police Court Rooms for five years and six months from April 1, 1870,.....	650 00
The City pays on lease to Hocum Hosford, for rent of Rooms for City Library, (Masonic Temple,) for ten years from January 1, 1872,.....	1,200 00
The City pays on lease to Merchants National Bank for Rent of Rooms, for purposes connected with the Water Works, for five years from April 1, 1873,.....	550 00
	<hr/>
	\$2,875 00

DAVID CHASE, *Auditor.*

TREASURER'S ACCOUNT, 1874.

CITY OF LOWELL,
CITY TREASURER'S OFFICE, January 12, 1875.

To the City Council:

Gentlemen,—I have the honor to present herewith an account of the Receipts and Payments from January 1 to December 31, 1874.

Respectfully submitted.

JOHN H. McALVIN, *City Treasurer,*

IN COMMON COUNCIL, January 12th, 1875.

Read and referred to the Joint Standing Committee on Accounts ; sent up for concurrence.

DAVID CHASE, *Clerk.*

IN BOARD OF ALDERMEN, January 12, 1875.

Read and referred in concurrence.

SAMUEL A. McPHETRES, *City Clerk,*

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[illegible]

CITY OF LOWELL.

IN COMMITTEE ON ACCOUNTS,

January 18, 1875.

To the City Council:

Gentlemen,—The Joint Committee on Accounts for the year 1875, to whom was referred the account current of John H. McAlvin, City Treasurer, from January 1 to December 31, 1874, hereby certify that in pursuance of Chapter First, Section Seventh, of the Ordinances of the City of Lowell, we have examined the said account, and find the same correctly cast, and all payments therein charged sustained by proper vouchers.

We find there has been received into the Treasury from all sources, from January 1 to December 31, 1874, the sum of one million five hundred and eight thousand seven hundred and sixty-five dollars and sixty-five cents, (\$1,508,765.65,) and there has been paid from the Treasury during the same period the sum of one million one hundred and sixty thousand four hundred and twenty-three dollars, (\$1,160,423.00,) leaving a balance in the hands of the Treasurer, December 31, 1874, of three hundred and forty-eight thousand three hundred and forty-two dollars and sixty-five cents, (\$348,342.65.)

We find there has been received into the Treasury from all sources, from December 31, 1874, to January 18, 1875, the day of the date of this report, the sum of three hundred and seventy-four thousand three hundred and seventy-six dollars and one cent, (\$374,376.01,) and there has been paid from the Treasury during the same period, all of said payments being sustained by proper vouchers, the sum of sixty-nine thousand one hundred and nineteen dollars and ninety-two cents, (\$69,119.92,) leaving, on the day of the date of this report, a cash balance of three hundred and five thousand two hundred and fifty-six dollars and nine cents, (\$305,256.09,) in the hands of the City Treasurer, which we have verified by an *actual* examination of all assets in the hands of the City Treasurer.

Respectfully submitted.

JOSEPH S. BROWN,	} <i>Joint Committee</i>
EDWARD STOCKMAN,	
CHARLES W. SLEEPER,	
ALBERT D. WRIGHT,	
	<i>on Accounts</i>
	<i>for 1875.</i>

IN COMMON COUNCIL, January 26, 1875.

Read and accepted ; sent up for concurrence.

DAVID CHASE, *Clerk.*

IN BOARD OF ALDERMEN, January 26, 1875.

Read and accepted in concurrence.

SAMUEL A. McPHETRES, *City Clerk.*

WATER LOAN SINKING FUND ACCOUNT.

CITY OF LOWELL,
CITY TREASURER'S OFFICE, January 12th, 1875.

To the City Council :

Gentlemen,—I have the honor to present herewith a statement of the condition of the City of Lowell Water Loan Sinking Fund Account.

Respectfully submitted.

JOHN H. McALVIN, *City Treasurer.*

IN COMMON COUNCIL, January 12th, 1875.

Read and referred to the Joint Standing Committee on Accounts ; sent up for concurrence.

DAVID CHASE, *Clerk.*

IN BOARD OF ALDERMEN, January 12th, 1875.

Read and referred in concurrence.

SAMUEL A. McPHETRES, *City Clerk.*

DR.	CITY OF LOWELL WATER
For Cash paid for 27 \$1,000 City of Lowell Water Loan Bonds,	\$26,041 50
Cash paid for 7 \$1,000 City of Lawrence Water Loan Bonds,	6,647 61
Cash paid for 19 \$1,000 City of Lawrence Municipal Bonds,	18,328 67
	<hr/>
	\$51,017 84
Balance, on interest at six per cent. per annum, - - - -	1,166 35
	<hr/>
	<u>\$52,184 19</u>

LOAN SINKING FUND.

CR.

By Cash on hand, December 31, 1873, - - - - -	\$25,570 00
Cash received, being the amount appropriated by the City	
Council for the year 1874, - - - - -	25,000 00
Cash received in 1874, for interest on investments, - - -	1,614 19
	<hr/>
	\$52,184 19
	<hr/>

CITY OF LOWELL.

IN COMMITTEE ON ACCOUNTS,
January 18th, 1875.

To the City Council :

Gentlemen,—The Joint Committee on Accounts for the year 1875, to whom was referred the statement of the condition of the City of Lowell Water Loan Sinking Fund Account to December 31, 1874, hereby certify that we have examined said account, and find that the whole amount received up to December 31, 1874, was \$52,184.19, and that said amount is invested as follows : 27 \$1,000 City of Lowell Water Loan Bonds, at a cost of \$26,041.50 ; 7 \$1,000 City of Lawrence Water Loan Bonds, at a cost of \$6,647.67 ; 19 \$1,000 City of Lawrence Municipal Bonds, at a cost of \$18,328.67, and cash on interest in the Appleton National Bank, at six per cent., \$1,166.35, making the total \$52,184.19 All of the foregoing Bonds, and a certificate of the cash deposit, we find in the hands of John H. McAlvin, City Treasurer.

Respectfully submitted.

JOSEPH S. BROWN,	}	<i>Joint Committee on Accounts for 1875.</i>
JACOB ROGERS,		
EDWARD STOCKMAN,		
CHARLES W. SLEEPER,		
ALBERT D. WRIGHT,		

IN COMMON COUNCIL, January 26, 1875.

Read and accepted ; sent up for concurrence.

DAVID CHASE, *Clerk.*

IN BOARD OF ALDERMEN, January 26, 1875.

Read and accepted in concurrence.

SAMUEL A. McPHETRES, *City Clerk.*

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ORDINANCES OF THE CITY OF LOWELL, CHAPTER 1, SECTION 5.

“No bill or claim against the City, other than judgments of the Judicial Courts, shall be allowed or passed by the Committee on Accounts, unless such bill or claim shall be *approved or certified* by some agent, officer or committee, authorized on behalf of the City to make the contract or cause the expenditure to be incurred ; or unless such expenditure be expressly required by some specific vote of the Council.”

CLAIMS AGAINST THE CITY.

IN COMMITTEE ON ACCOUNTS, January 13th, 1875.

Ordered, That hereafter all Pauper bills be presented to the Auditor on or before the 28th day of each month.

2nd—That all other bills be made up to include the last day of the month, and that, duly certified, they be presented to the Auditor on or before the first day of the following month, and be payable on the tenth.

All bills presented for payment must specify what the article or articles were for—and, when for labor, where it was performed—with proper dates.

Items charged to different Appropriations should be made out on *separate* bills.

All bills not approved and presented as above will lie over till the next month.

JOSEPH S. BROWN,	} Committee on Accounts.
JACOB ROGERS,	
EDWARD STOCKMAN,	
CHARLES W. SLEEPER,	
ALBERT D. WRIGHT,	

THE AUDITOR'S OFFICE is in the City Government Building. Office hours from 9 to 12, A. M., and from 2 to 5 o'clock, P. M.

TO PERSONS HAVING CLAIMS AGAINST THE CITY.

It is very desirable that bills presented for payment should specify what the article or articles were for—and, when for labor, where it was performed—with proper dates.

If persons having bills against the City would be more careful in specifying particulars, it would enable the Auditor to prepare his Annual Report with much less trouble.

DAVID CHASE, *Auditor*.

The amount due semi-annually to members of the Fire Department becomes payable on and after the 10th of May and November.

TREASURER'S OFFICE HOURS.

From 9 A. M. to 12 M., and from 2 to 5 P. M. During time for receiving taxes, from 8 A. M. to 12 M. ; from 2 to 5, and from 7 to 9 P. M. ; closed Wednesday and Thursday evenings.

CITY DOCUMENT. CITY OF LOWELL.

SALARIES

OF THE

OFFICERS

OF THE

CITY OF



LOWELL,

FOR THE YEAR

1875-76.

Stone, Huse & Co., Printers.

CITY OF LOWELL.

IN THE YEAR EIGHTEEN HUNDRED AND SEVENTY-FOUR.

RESOLUTION

ESTABLISHING THE SALARIES OF THE OFFICERS OF
THE CITY OF LOWELL FOR THE YEAR 1875-6.

*RESOLVED, by the Mayor, Aldermen and Common Council
of the City of Lowell, in City Council assembled,
as follows :*

THE SALARIES of the several City officers for the year beginning on the first Monday in January, one thousand eight hundred and seventy-five, shall be as herein mentioned; to be paid monthly, unless herein otherwise ordered.

SECTION 1. The salary of the *Mayor* shall be at the rate of twenty-five hundred dollars per annum.

SEC. 2. The salary of the *City Clerk* shall be at the rate of two thousand dollars per annum, and there shall be allowed his office three hundred dollars for clerk-hire; and he shall account for all sums of money received in his official capacity.

SEC. 3. The salary of the *City Treasurer* shall be at the rate of twenty-five hundred dollars per annum for performing the duties of City Treasurer and Collector of Taxes; and there shall be allowed his office the sum of five hundred dollars for clerk-hire, and he shall appoint a clerk to render him such assistance as may be required. He shall give a bond in the sum of fifty thousand dollars, with good and sufficient sureties satisfactory to the Mayor and Aldermen, for the faithful performance of his duties, and for an account of all sums of money received in the sale of Water Bonds and the collection of Water Rates, and in the capacity of City Treasurer and Collector of Taxes.

SEC. 4. The salary of the *Auditor of Accounts* shall be at the rate of sixteen hundred dollars per annum, and there shall be allowed his office three hundred dollars for clerk-hire, and he shall account for all sums of money received by him in said capacity.

SEC. 5. The salary of the *City Solicitor* shall be at the rate of fifteen hundred dollars per annum, which shall be in full for all services rendered the city, and he shall account for all sums of money received by him in said capacity.

SEC. 6. The salary of the *Civil Engineer* shall be at the rate of twenty-five hundred dollars per annum, which shall be in full for services as Civil Engineer and Engineer of the Water Board, and he shall devote his whole time to the service of the city. He shall be allowed such assistance as the chairman of the Joint Standing Committee on Streets, the chairman of the Joint Standing Committee on Sewers and Drains, and the chairman of the Lowell Water Board may determine.

SEC. 7. The salary of the *City Physician and Superintendent of Burials* shall be at the rate of seven hundred dollars per annum; and he shall furnish all medicines used by him in performing the duties of his office.

SEC. 8. The salary of the *Librarian of the City Library* shall be at the rate of twelve hundred dollars per annum; and there shall be allowed the sum of three hundred dollars for the services of an assistant.

SEC. 9. The salary of the *Clerk of the Common Council* shall be at the rate of four hundred dollars per annum.

SEC. 10. The salary of the *Messenger of the City Council* shall be at the rate of twelve hundred dollars per annum.

SEC. 11. The salary of the *Measurer of Wood and Bark*, in the rear of the Market House building, shall be at the rate of eight hundred dollars per annum; and he shall account for all fees received by him in his official capacity, and shall pay the same into the Treasury monthly. The salary of any additional measurers of wood and bark shall be at such a rate as the Mayor and Aldermen may from time to time determine, provided that the same shall not exceed the amount of fees received.

SEC. 12. The salary of the *Pound Keeper* shall be at the rate of twenty-five dollars per annum; and he shall account for all sums of money received by him in that capacity.

P O L I C E .

SEC. 13. The salary of the *City Marshal* shall be at the rate of eighteen hundred dollars per annum; and he shall furnish a horse and carriage for the use of the Marshal and his deputy.

SEC. 14. The compensation of the *Deputy Marshal* and *Captain of the Night Watch* shall be at the rate of three dollars and twenty-five cents per day, each.

The compensation of the regular *Day Police* shall be at the rate of two dollars and seventy-five cents per day.

The compensation of the *Night Police*, and all other *Police officers*, shall be at the rate of two dollars and seventy-five cents per day.

SEC. 15. Police officers acting as tythingmen shall receive no extra compensation therefor. All fees received by the officers mentioned in the two preceding sections, for attendance as witnesses, or for any other service in an official capacity, shall be paid by the officer receiving the same, to the City Treasurer. *Provided, however*, that said officers need not account for any fees for travel and attendance before the Supreme Judicial and Superior Court, as witnesses.

SEC. 16. The *Standing Justice of the Police Court of Lowell* shall be paid at the rate of one hundred dollars per annum, for receiving complaints, issuing warrants, and trying cases under the FORTY-SECOND CHAPTER OF THE GENERAL STATUTES, or any subsequent Act, or Ordinance, concerning truant children and absentees from school.

SUPERINTENDENTS AND INSPECTORS.

SEC. 17. The salary of the *Superintendent of Streets* shall be at the rate of eighteen hundred dollars per annum.

SEC. 18. The salary of the *Superintendent of Public Buildings* shall be at the rate of sixteen hundred dollars per annum, and he shall engage in no

other business or calling. The city shall furnish a horse and carriage for the use of himself and the men under his charge.

SEC. 19. The salary of the *Superintendent of City Scales* shall be sixty per centum of the fees received by him per annum, and he shall settle with the Treasurer monthly. The Mayor and Aldermen shall fix the salary of said Superintendent when he and the Measurer of Wood and Bark are one and the same person, at the rate of two hundred dollars per annum, in which case he shall account for all fees received by him in an official capacity, and shall pay the same into the Treasury monthly.

The salary of any additional weigher of hay and other articles shall be at such rate as the Mayor and Aldermen may from time to time determine, *provided* that the same shall not exceed the amount of fees received.

SEC. 20. The salary of the *Inspector of Milk* shall be at the rate of one hundred and fifty dollars per annum.

SEC. 21. The salary of the *Sealer of Weights and Measures* shall be at the rate of three hundred dollars per annum, and no fees shall be charged for any official duty he may perform.

ASSESSORS' DEPARTMENT.

SEC. 22. The salary of the *Chairman of the Board of Assessors* shall be one thousand dollars per annum; and the salary of each of the other Assessors shall be eight hundred dollars per annum; and the said Assessors shall make out and distribute the tax bills. The Assessors shall devote their whole time, from March 1st to October 15th, to the service of the city, and shall engage in no other business or calling during that time. They shall jointly make a valuation of the real estate in the city, and enter the same in a book to be kept for mutual reference, the same to be done before entering upon a subdivision of their duties of assessing in May.

There shall be allowed this Department the sum of one thousand dollars for clerk-hire, and the Board of Assessors shall choose two clerks, neither of whom shall be members of the Board, who shall act as office clerks, under the direction and control of said Board.

FIRE DEPARTMENT.

SEC. 23. The salaries of the several members of the Fire Department for the year beginning January first, one thousand eight hundred and seventy-five, shall be as herein mentioned, to be paid semi-annually, unless otherwise ordered.

The salary of the *Chief Engineer* shall be at the rate of fourteen hundred dollars per annum, payable monthly, which shall be in full payment for all services which may be required of him by the City Council; and he shall devote his whole time to the duties of his office.

The salary of the *First Assistant Engineer* shall be at the rate of two hundred dollars, and the others at the rate of one hundred and twenty-five dollars, each, per annum.

The *Secretary of the Board of Engineers*, who shall be a member of the Board, shall receive twenty-five dollars additional, which shall be in full payment for all the services which may be required of him by the Mayor and Aldermen, the Chief Engineer, and the Board of Engineers.

The *Foremen* and *Clerks* of the respective Hose, Hook and Ladder, and Steam Fire Engine Companies, shall be paid at the rate of one hundred dollars, each, per annum.

The *Stewards* of Hose Companies shall be paid at the rate of one hundred and thirty dollars per annum.

Said *Stewards* shall be members of the Companies for which they act, and said sums shall be in full payment for all their services as *Stewards* and *Members* of Companies.

Drivers of Steamers and Hook and Ladder Carriages, who shall perform all the duties of *Stewards*, shall be paid two dollars per day, which shall be in full for all services rendered the city.

Engineers of Steam Fire Engines shall be paid at the rate of three hundred dollars per annum.

Assistant Engineers of Steam Fire Engines shall be paid at the rate of one hundred and twenty-five dollars per annum.

All other *Members* of Steam Fire Engine, Hose, and Hook and Ladder Companies, shall be paid at the rate of ninety dollars per annum.

SEC. 24. Whenever any person in the employment of the city shall demand payment of his salary, or any part thereof, it shall be the duty of the Auditor and City Treasurer to deduct therefrom any and all sums of money due from such officer to the city.

IN BOARD OF ALDERMEN, November 24, 1874.

Passed.

FRANCIS JEWETT, Mayor.

IN COMMON COUNCIL, December 1, 1874.

Passed.

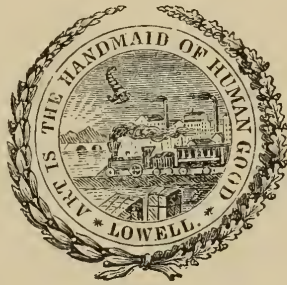
NATHAN W. FRYE, President.

A true copy. Attest:

SAMUEL A. MCPHETRES, City Clerk.

CITY DOCUMENT.

CITY OF



LOWELL.

Annual Report

OF THE

Superintendent of the Alms-house,

WORKHOUSE,

AND

HOUSE OF REFORMATION FOR JUVENILE OFFENDERS,

FOR THE YEAR 1874.

CITY OF LOWELL.

IN BOARD OF ALDERMEN, Jan. 26, 1875.

Read and sent to the Common Council.

SAMUEL A. McPHETRES, City Clerk.

IN COMMON COUNCIL, Jan. 26, 1875.

Received and read.

DAVID CHASE, Clerk.

Daily Courier Print.

REPORT.

OFFICE OF THE SUPERINTENDENT OF THE ALMSHOUSE, WORKHOUSE }
AND HOUSE OF REFORMATION FOR JUVENILE OFFENDERS, }
LOWELL, January 22, 1875. }

TO THE CITY COUNCIL:

Gentlemen:—In compliance with an Ordinance of the City of Lowell, requiring Annual Reports of City Officers, I herewith submit to you my Thirteenth Annual Report as Superintendent of the Almshouse, Workhouse and House of Reformation for Juvenile Offenders, for the year ending December 31, 1874.

F A R M .

No alteration has been made to the boundaries of the Farm since my last report. The amount of land belonging to the farm is about one hundred and twenty acres, only about one-half of it being suitable for cultivation.

I think that the land was never in so good a condition as at present. There has been a great amount of work and labor done on the farm the past year, preparing it for another season. And although the hay crop exceeded that of the year previous by about one-third, I see no reason why it should not the year to come excel that of any year previous, a number of acres having been ploughed up after haying and heavily dressed with manure and seeded back to grass again: which I think in connection with what was done the

year previous will verify my statement, especially if we have as favorable a season the year to come as the one just passed.

The Framingham and Lowell Railroad, the Directors of which settled with the Overseers of the Poor of eighteen hundred and seventy-two, by referees, the amount of damages arising from the construction of their road through the farm, have paid the damages, amounting to two thousand dollars and interest, to the City Treasurer and placed to the credit of the farm, thus settling the matter finally.

BUILDINGS.

The buildings in connection with the farm are the same as at the time of my last report, no alterations having been made, and but little extra repairs done, with the exception of re-painting the barns and out-buildings at an expense of about five hundred dollars, and the general repairs incidental to an institution of this kind.

The whole amount expended for repairs during the year being but seven hundred and eighty dollars and ninety-nine cents, which would have been much larger if it were not for the amount of available help capable of doing the required work we have had among the inmates more than usual.

Once more I should like to call your attention to the fact that we are poorly provided with water, especially in case of fire. Our cisterns were the past fall and are now very low. And, should a fire get started

beyond our control, with what conveniences we have now for the putting out of fire, some three-quarters of an hour must elapse before the fire department from the city could get in working condition to force water from the brook on to the buildings, as it would take nearly one thousand feet of hose to carry one stream, a matter which could be easily remedied by continuing the water pipe through Chelmsford Street near Lincoln Street to the farm. Thus supplying us with an abundance of water, which with sufficient hose kept here, we could by drilling the men of the Almshouse and boys of the Reform School to the use of it, keep a fire in check until the Fire Department of the city could reach us.

Another matter I should like to call your attention to, is the feasibility of heating the buildings by steam. How much more comfortable it would be for our aged and infirm! There not being at present any means of heating our long halls and numerous dormitories, only two of the latter being heated regularly—one in the hospital where the sick and aged men sleep, and the nursery in the main building where the sick and feeble women sleep and sit and where the worst cases of insane women are confined when turbulent, there being no other suitable place for them provided. And in cases of emergency we are obliged to set up stoves in other rooms, thereby increasing the danger of fire. At the present time there are some nineteen stoves and furnaces almost constantly in use, and in case steam could be introduced, they might all be dispensed with,

and lessen the danger that is now incurred by them, and every inmate made more comfortable.

C R O P S .

The general average condition of the crops raised the past year has exceeded that of any year previous, though the value of them does not equal those of some other years. The sale of produce and fruit raised exceeds that of any year, the amount of sales being three thousand five hundred and eighty dollars and ninety-one cents (\$3,580.91), some four hundred dollars in excess of the amount sold in eighteen hundred and sixty-nine (1869) — the prices of produce in general being lower than for a number of years. The apple crop was about an average. The hay crop exceeded that of any year since eighteen hundred and sixty-nine (1869), for reasons which I have stated elsewhere in my report.

The strawberry crop was excellent, the quantity picked being more than ever before; but the price obtained for them being lower than usual, the value does not exceed that of other years. There was a good crop of pears and a good price obtained for them, considering the condition the market was in at the time of harvesting them.

The vegetable crops all did finely and asparagus better than ever, a new bed set out in 1870 now getting into cutting condition, and a more thorough cultivation of the old bed having been made the past two years.

Therefore, taking all things into consideration, I think that the past year was a most favorable one to show in what condition the farm is in.

H E L P .

The same amount of help has been employed on the farm and in the house the past year as the year previous, viz: three men besides the teacher of the Reform School, and two female assistants in the house, and have all given satisfaction in their close attention to their work.

During haying time I employed one man to assist us. Otherwise, as the Workhouse now established in connection with the Almshouse, furnishes us with a great deal more available help than we used to have before its establishment, the inmates being sentenced to it from our Municipal Court for the minor crimes, such as simple larceny and drunkenness.

Therefore, by the aid of the men of the Alms-house and Workhouse, and the help of the boys of the Reform School, I have gathered and secured the crops put in this year in a fine condition, without incurring much additional expense to the city.

F A R M I N G T O O L S .

The farming tools are the same as at the time of my last report. No additions have been made excepting to replace useless ones and to repair those which needed it.

There has not been any change made in the carts, wagons, sleigh, sled and hay rigging, with the excep-

tion of the purchase of a new covered express wagon. There has been considerable repairing done to the carts and wagons this year, and they are all now in good condition to last many years.

STOCK.

The stock on hand January 1, 1874, consisted of five horses, six cows, one one-year-old heifer and fifteen pigs.

There has been bought one horse. Twenty-five pigs have been raised and fourteen pigs and two cows killed, and ten pigs sold. Leaving on hand December 31, 1874, six horses, four cows, one heifer, and sixteen pigs.

PRODUCTS.

The following annexed table will show the amount raised and the market value at the time of harvesting the different kinds of produce for the year.

It includes all that has been sold, but does not any that was used in the family before harvest time.

TABLE OF PRODUCTS.

QUANTITY.	DENOMINATION.	PRICE.	VALUE.
210 bushels	Apples,	\$ 85	\$178 50
167 bushels	Apples, (cider),	25	41 75
84 doz. bnch's	Asparagus,	1 50	126 00
24 bushels	Beans, (green),	3 20	76 80
12 bushels	Beans, (dry),	3 00	36 00
118 bushels	Beets, (turnip),	75	88 50
266 bushels	Beets, (sugar),	35	93 10
1000 heads	Cabbage,	05	50 00
6½ tons	Carrots,	18	117 00
218 doz.	Sweet Corn,	12	26 16
7 bushels	Currants,	4 00	28 00
9 bushels	Cranberries,	2 50	22 50
A lot of	Grapes,		5 25
57 tons	Hay, English,	23 00	1311 00
9½ tons	Hay, English, 2nd,	18 00	166 50
17 tons	Hay, meadow,	13 00	221 00
A lot of	Lettuce,		115 20
82 bushels	Onions,	1 00	82 00
A lot of	Peas and Rhubarb,		33 50
44 bushels	Pears,	2 70	118 80
40 bushels	Parsnips,	1 00	40 00
1420 lbs.	Peppers,	04	56 80
1376	Pepper Plants,	03	41 28
1285 bushels	Potatoes,	80	1028 00
4800 lbs.	Pork,	11	528 00
10	Pigs,	4 50	45 00
75 bushels	Oats,	75	56 25
3 tons	Oat Straw,	23 00	69 00
6½ tons	Squash, marrow,	45 00	292 50
3150 boxes	Strawberries,	20	630 00
184 bushels	Tomatoes,	52½	96 60
1450	Tomato Plants,	03¾	48 34
215 bushels	Turnips,	20	43 00
	Total value,		\$5912 33

ALMSHOUSE.

The number of paupers in the Almshouse January 1, 1874, was sixty-two; the number admitted during the year was sixty-five, making the whole number for the year to be one hundred and twenty-seven. Of this number there were forty-three discharged, leaving the number January 1, 1875, to be eighty-four. The average number for the year was seventy-one.

Of the number discharged during the year three died, one of gangrene, one of paralysis, and one of scarlet fever.

During the summer the scarlet fever, measles and chicken pox, by some means unaccountable, got into the institution among the small children in the Almshouse Department, and caused the death of one child. And in connection with this subject, I would say that my thanks are here extended to Dr. Hermon J. Smith for the prompt and efficient manner in which he has performed his duties in connection with these institutions the past year, especially in regard to his earnest endeavors and great success in clearing the institution of the aforementioned diseases.

WORKHOUSE.

This is an institution connected with the Almshouse, established in July, 1872, by the City Government, in accordance with a statute passed by the Legislature the winter previous, for the purpose that each town and city in the state can have the benefit of the work of that class of criminals sentenced by the

courts, convicted of the minor offences, such as drunkenness, simple larceny, and vagrancy, and to relieve the county jails and houses of correction from being over-crowded. Thus the city does not lose the labor, as well as to have to pay their board, when they are sentenced to the house of correction.

The number of inmates January 1, 1874, was eleven; the number committed during the year was sixty-one, making the whole number for the year to be seventy-two. The number discharged was fifty-six, leaving, January 1, 1875, the number remaining to be sixteen. The average number for the year was sixteen.

Of the number committed during the year, ten were sentenced for drunkenness, twelve for drunkenness second offence, twenty-six for being common drunkards, seven for larceny and six for vagrancy.

SMALL POX HOSPITAL.

The city during the past year has been very fortunate, there not being a case of small pox reported during the year, and therefore the buildings have not been opened during the year. They are in good repair and are ready for use whenever needed.

EXPENDITURES.

The following table shows the amount of money appropriated, and receipts from various sources, and amount expended, both for home expenses and outside, and the balance on hand January 1, 1875, in the treasury.

FINANCE TABLE.

CR.

Balance undrawn, January 1, 1874.....	\$ 4,735 64
Appropriated and assessed.....	16,000 00
Receipts from various sources.....	9,978 71

\$30,714 35

DR.

Paid for outside relief, support of persons in insane hospitals, other towns and cities for support of paupers belonging to Lowell, burial of State paupers, support of boys in State Reform School, girls in Industrial School at Lancaster, and all other bills not prop- erly belonging to the support at the Almshouse.....	\$11,643 43
Paid bills for support at Almshouse, Workhouse, and House of Reforma- tion.....	13,785 57
Total expense.....	\$25,429 00

Balance undrawn, January 1, 1875..... \$5,285 35

The average number of paupers supported for the year was: In the Almshouse seventy-one, in the Workhouse sixteen, in the House of Reformation for Juvenile Offenders thirty-eight; making the whole number for the year to be one hundred and twenty-five.

The amount paid for bills for support at Almshouse, Workhouse, and House of Reformation being thirteen thousand seven hundred and eighty-five dollars and fifty-seven cents (\$13,785.57); deducting from this the amount received from sales of produce

from the farm, which is three thousand five hundred and eighty dollars and ninety-one cents (\$3,580.91), leaves the actual cost of the support, including all repairs done during the year, ten thousand two hundred and four dollars and sixty-six cents (\$10,204.66). Dividing this by the average number supported for the year, and the actual cost for each is found to be eighty-one dollars and fifteen cents (\$81.15), or one dollar and seventy-five cents and fifteen fifty-seconds (\$1.75 15-52) per week.

HOUSE OF REFORMATION.

As is well known there is a House of Employment and Reformation for Juvenile Offenders established here in connection with the Almshouse, though in all other matters excepting the preparing of the food it is an entirely separate institution. The inmates are not allowed to mingle with those of the other institutions, but the expense is reckoned in with that of the Almshouse, no separate accounts being kept.

The inmates are committed by the judge of the municipal court, that is, all of those from Lowell. The same arrangements continue with the other towns and cities that did at the time of my last report, with the exception of the city of Charlestown, whose boys now go, since the annexation to Boston, to the last named place of reformation.

Mr. William A. Lang still continues in charge of the school as teacher and chaplain, where he has proved himself admirably adapted to the calling or

profession of which he has devoted his whole mind and attention to the past seventeen years.

The school is in a very flourishing condition at the present time, as is indicated by the improvement of the scholars, both in gain of knowledge and deportment. They have all seemed to try to excel one another to show which one succeeds the best, and the majority of them have been contented, only two undertaking to abscond during the year, and only one of those got away, and he was captured and brought back ten days after.

For employment the boys are required to work on the farm during the spring, summer and fall months,—planting, hoeing, weeding and gathering the crops. During the winter to pick over beans for the merchants in the city, when there is any to be obtained; and generally there is about seven months of constant school, the length of the session each day being five hours.

No change in the manner of conducting the school has been made the past year, the same studies being taught, and the same rules for government and discipline as were used the year previous.

The whole number of punishments inflicted the past year, in solitary confinement, was forty-seven, as follows:

Playing in workshop	9	in cell	24	hours
Playing in workshop.....	2	“	12	“
Playing in workshop.....	5	“	36	“
Playing in workshop and dormitory.....	4	“	60	“
Stubbornness.....	2	“	12	“
Stubbornness.....	3	“	24	“

Playing in dormitory	6	in cell 36 hours
Playing in dormitory	5	" 24 "
Playing in dormitory	1	" 60 "
Playing in dormitory	1	" 48 "
Playing in dormitory	1	" 72 "
Ugliness	1	" 24 "
Ugliness	1	" 60 "
Absconding	1	" 72 "
Attempt to abscond.....	1	" 60 "
Mutilating clothes.....	1	" 60 "
Throwing stones	1	" 12 "
Disobedience	1	" 72 "
Swearing	1	" 24 "

Another method of inflicting punishment for smaller offences than was usually practised previously has been tried during the past year, and has been found to produce very satisfactory results, viz.: by removing the choice portion of a meal until the refractory one gives up to the rules of the institution.

The number of inmates January 1, 1874, was forty-two; thirty-two from Lowell, four from Charlestown, four from Chelsea, and two from Woburn.

The number admitted during the year was forty-nine, thirty-nine boys and four girls from Lowell, and six boys from Chelsea.

The number discharged during the year was fifty-five, forty-six from Lowell, five from Chelsea, and four from Charlestown.

The number remaining January 1, 1875, is thirty-six, twenty-nine from Lowell, five from Chelsea, and two from Woburn, and none from Charlestown, Winchester, Somerville or Lexington, though the same ar-

rangements continue to exist between these towns and cities and the city of Lowell.

Of the number committed during the year, twenty-six were sentenced for truancy, seven for wandering about the streets, six for larceny, three for breaking and entering, one for vagrancy, one for breaking glass, and five for being disobedient children.

Of the number discharged during the year, twenty were pardoned, nineteen from Lowell and one from Chelsea.

The pardoning power, when it is judiciously used on the merits of the case, produces the most gratifying results; but, when not, it often shows the opposite result, especially on the school, by making the remaining boys very discontented, and during the past year there was one boy pardoned that was returned again by the court before the year was through, and another one that was pardoned the fourth time.

There has been an addition of a few books during the year and the library is now in a fair condition and is comprised of about four hundred and fifty volumes. The books are read with great avidity by the boys as well as by the men of the Almshouse.

Religious services still continue to be held every Sabbath afternoon, with services conducted by the Chaplain, and all are required to attend that are able. All who take an interest in attending such gatherings are hereby cordially invited to be present.

In conclusion, allow me to say that I have received every kindness that I might expect from every one whose duty it has been to provide for the poor and

friendless, and the boys of the House of Reformation for the past year, and I wish here to express my thanks to his honor the Mayor, and the Overseers of the Poor, for the kindness always shown me and the prompt manner in which they have always furnished whatever was necessary for the use of the unfortunate class under my charge.

Respectfully submitted.

LORENZO PHELPS,

Supt. of Almshouse, Workhouse, and House of Reformation.

LIST OF PERSONAL PROPERTY

Belonging to the City of Lowell in care of LORENZO PHELPS, Superintendent of Lowell Almshouse, Workhouse, and House of Reformation for Juvenile Offenders, January 1, 1875.

One Horse \$225.00; 2 Horses \$350.00; 1 Horse \$125.00.....	\$700 00
1 Horse \$125.00; 1 Horse \$150.00; 5 Cows \$300.00	575 00
16 Pigs \$180.00; 60 Fowls \$37.50.....	217 50
35 tons English Hay \$875.00; 8 tons English Hay \$160.00.....	1035 00
10 tons Meadow Hay \$160.00; 28 bushels Onions \$16.80.....	176 80
55 tons Coal \$440.00; 90 cords Wood \$450.00.....	890 00
900 bushels Potatoes \$675 00; 20 bushels Turnips \$5.00.....	680 00
266 bushels Sugar Beats \$106.40; 40 bushels Beats \$20.00.....	126 40
5 3-4 tons Carrots \$103.50; 650 gallons Cider \$91.00	194 50
30 bushels Parsnips \$30.00; a lot of Corn \$29.00....	59 00
2 bushels Rye \$2.20; 300 gallons Vinegar \$87.50...	89 70
A lot of Bran and Grass Seed \$103.00; 12 bushels Beans \$31.00.....	134 00
A lot of Cabbages \$12.50; 800 pounds Scraps \$13.00..	25 50
60 bushels Oats \$45.00; 55 barrels Flour \$378.12.....	423 12
3395 pounds Pork, Lard, Hams, &c. at 12 cents.....	407 40
150 pounds Beef \$13.50; 1 Corn Sheller \$5.00.....	18 50
Tools and Machinery in Blacksmith Shop.....	80 00
Tools and Lumber in Carpenter Shop.....	47 00
A lot of Groceries, &c.....	390 00
A lot of Clothing, Bedding, Furniture, &c.....	5071 38
2 two-horse Wagons \$325.00; 2 Dump Carts \$25.00...	575 00
2 Express Wagons \$235.00; 1 Express Wagon \$200.00	435 00
1 Hay Wagon and Rack \$140.00; 1 Cart \$80.00.....	220 00
<i>Amount carried forward.....</i>	<i>\$12,570 80</i>

Amount brought forward..... \$12,570 80

1 Night Cart \$125.00 ; 2 two-horse Traverse runners \$150.00.....	275 00
1 Ox Sled \$20.00 ; 1 Horse Sled \$15.00 ; 1 Sleigh \$8.00	43 00
1 Carry-all \$200.00 ; Traverse-runner Sleigh \$65.00....	265 00
1 Harness \$25.00 ; 1 pair double \$40.00 ; 1 pair double \$30.00.....	95 00
3 single Harnesses \$25.00 ; 1 Cart Harness \$10.00.....	35 00
4 Ox Yokes \$16.00 ; 2 Robes 4.00 ; 1 Swill Box \$7.00.	27 00
100 Chestnut Posts \$52.00 ; Horse Rake \$20.00.....	72 00
Grindstone, Scythes, &c. \$30.00 ; 22 barrels Apples \$44.00.....	74 00
1 Mowing Machine \$75.00 ; 1 Hay Tedder \$60.00.....	135 00
1 Hay Cutter \$5.00 ; a lot of Tools, &c. \$25.00.....	30 00
Rakes and Ladders \$15.00 ; 1 Fan Mill \$5.00.....	20 00
Plows, Shovels, Hoes, Forks, Picks and Bars.....	135 50
3 Harrows \$24.00 ; Seed Sower \$8.00 ; Cradles \$8.50..	40 50
75 Hot Bed Sash \$140.00 ; 20 Poor Sash \$20.00.....	160 00
10 Window Sash \$2.50 ; 12 Baskets \$9.00.....	11 50
48 Boxes \$16.80 ; 30 Boxes \$4.50 ; 40 Coffins \$120.00..	141 30
Strawberry Boxes \$12.50 ; 12 Pitch Forks \$12.00.....	24 50
1 Hand Engine and Hose.....	145 00
4 Hogsheads \$4.00 ; 32 Barrels \$32.....	36 00
Bedding and Furniture in Small Pox Hospital.....	401 10

\$14,737 20

CITY DOCUMENT.

CITY OF



LOWELL.

Annual Report

OF THE

Directors of the City Library,

FOR THE YEAR 1874.

CITY OF LOWELL.

IN BOARD OF ALDERMEN, Dec. 22, 1874.

Read and sent to the Common Council.

SAMUEL A. McPHETRES, City Clerk.

IN COMMON COUNCIL, Dec. 22, 1874.

Received and read.

DAVID CHASE, Clerk.

Daily Courier Print.

REPORT.

DIRECTORS' ROOM, CITY LIBRARY, {
Lowell, December 22, 1874.

To the City Council of Lowell:

The Directors of the City Library, in compliance with the City Ordinance, herewith submit their Annual Report:

RECEIPTS.

Balance undrawn Jan. 1st, 1874.....	\$527 40
Appropriation.....	2,000 00
Balance of Dog Tax	2,313 36
Subscriptions.....	843 00
Catalogue and Supplements.....	157 00
Fines	57 00
Lost Books.....	15 15
<hr/>	
Total Receipts.....	\$5,912 91

EXPENDITURES.

Salaries	\$1,500 00
Books.....	1,011 37
Blank Books and Stationery.....	27 85
Binding.....	272 10
Printing.....	45 26
Postage and Expressage.....	16 50
Rent	1,200 00
Heating.....	200 00
Gas	191 36
Water and Piping for same.....	20 29

Paper for Covers.....	29 50
Embossing Stamp	3 00
Repairs in Library.....	15 60
Sundries, (cleaning, etc)	13 78

Total Expenses.....	\$4,546 61
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Balance	\$1,366 30
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CONDITION OF THE LIBRARY.

Number of volumes added by purchase.....	933
“ “ “ donation.....	47
“ “ in Library.....	17,530
Lost and not paid for, 1874.....	10
Estimated value of above.....	\$8
New Subscribers.....	691
Non Resident Subscribers.....	33
Whole number of Subscribers	1653
Number of volumes delivered.....	67,474
Average daily.....	242

The Directors take much pride, and a great deal of pleasure and satisfaction, in being able to call the attention of the City Council to the great success which has crowned the Library during the year just closing, in the matter of increased additions to the number of volumes, and the still more gratifying results shown by the Report of the Librarian, annexed herewith, regarding the increased number of Subscribers; and *lastly* though not by any means the *least*, in the handsome balance (\$1,366.30), which is left as a starting-point for the ensuing year.

This result, we feel, is owing to the wisdom of a former City Council, in establishing the Library in the

present commodious and convenient quarters, in part, and *largely* on account of the capable, energetic and faithful services of your Librarian, Marshall H. Clough, who is emphatically "the right man in the right place." May the city long be benefited by his services, in the position which he so ably fills. During the past year we have had placed in the Library 71 volumes of French Literature, conspicuous among which are 17 volumes of "Histoire du Consulat et de L'Empire," by President Thiers; 5 volumes of "Histoire de la Literature Anglaise," by H. Taine, with several volumes of novels and plays, by such writers as Souvestre, Karr, Lamartine and Moliere. We have placed these works upon the shelves of the Library for the benefit of any who may be desirous of gaining instruction or amusement from reading the French language. In a city like our own, containing a large number of French people, and many students of French literature, we trust that our action may not prove entirely unwise.

The amount expended for books, it will be seen, is somewhat larger than last year, but not larger in comparison to the increased number of volumes added, only \$330.00 more having been expended, while 933 volumes, or more than double the number added last year, have been purchased.

The Library now contains 17,539 volumes, or nearly 1,000 more volumes than last year, and there has been a gain of 158 in the number of subscribers, while during the past year there has been a gain of

4,422 in the number of volumes delivered, and an average gain of daily delivery of 20 volumes.

While we have been as careful and judicious as possible in our selections of books to be placed in the Library, yet, to satisfy the public demand for light reading, we have felt obliged to accept many books that perhaps might be considered ephemeral in their nature, but which, perhaps, may encourage a taste for reading, which, when acquired, may invite to more substantial reading. We are obliged to take things (especially in literary matters) as they are, and not as we would have them; especially is this so in supplying the demands of the great mass of readers, such as patronize our Library. The old adage "you can lead a horse to water, but you can't make him drink" here receives its confirmation. People will read what they desire, and not what you would have them, or else not read at all, and we find, as directors of the City Library, that Francis Bacon never uttered a greater truth than when he wrote—"Some books are to be tasted, others to be swallowed, and some few to be chewed and digested." We have endeavored to satisfy all tastes in making additions to the Library.

With the earnest hope that the Library will continue to receive in the future, as it has in the past, the cordial support of the City Council, and a continued increasing interest on the part of our citizens in its good work, we cordially commend it to our successors in office.

LIST OF DONORS TO THE LIBRARY, 1874.

DONORS.	Volumes.	Pamphlets.
Allen Nathan, M. D.	1	1
American Peace Society.....		5
American Swedenborgian Society.....	16	
American Unitarian Association.....		12
Baltimore Mercantile Library Association.....		2
Boston Public Library		7
Briggs, G. E., Boston.....		1
Brookline Public Library	1	1
Buffalo, City of, N. Y.		1
Buffalo Young Men's Association.....		1
Charlestown Public Library.....		1
Cobden Club, London.....		6
Coburn, E. N., Charlestown		1
Columbia College.....		1
Dawson, H. B., Morrisiana, N. Y.		1
Decanver, H. C., N. Y.		1
Elliot, Maj. George H.	1	
Fox, Hon. G. V.....	1	
Gilman, Alfred.....		1
Hartford Young Men's Institute.....		1
Hoar, Hon. E. R.....	1	
Indianapolis Public Library.....	1	1
Keith, C. E., Boston.....		1
Librarian of Congress		1
Lowell Young Women's Home		1
Manchester, City of		1
Massachusetts, State of	18	3
N. E. Historical and Genealogical Society		1
New York Mercantile Library Association		1
Phillips, Josiah, Quincy.....		1
Quincy Public Library.....		2
Richardson, Hon. William A.....	1	
Robbins, Miss, Lowell		51
San Francisco Public Library		1
Scribner, Armstrong & Co., N. Y.....		5
Smithsonian Institute.....	6	
Springfield City Library.....		2
Taunton Public Library		1
Trinity College		1
Tufts College.....		1
U. S. Patent Office		53
Watertown Public Library.....		1
Woburn Public Library		1
Worcester Public Library.....		1
Total	47	175

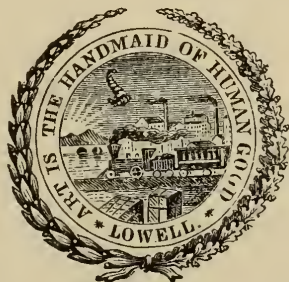
All of which is respectfully submitted.

FRANCIS JEWETT,
NATHAN W. FRYE,
JOHN M. PEVEY,
DANIEL SHERWOOD,
A. A. HAGGETT,
J. A. G. RICHARDSON,
GEO. SMITH,
J. C. ABBOTT,

DIRECTORS.

CITY DOCUMENT.

CITY OF



LOWELL.

Annual Report

OF THE

CITY PHYSICIAN

AND

Superintendent of Burials,

FOR THE YEAR 1874.

CITY OF LOWELL.

IN BOARD OF ALDERMEN, Feb. 9, 1875.

Read and sent to the Common Council.

SAMUEL A. McPHETRES, City Clerk.

IN COMMON COUNCIL, Feb. 9, 1875.

Received and read.

DAVID CHASE, Clerk.

Daily Courier Print.

4

REPORT.

OFFICE OF THE CITY PHYSICIAN AND
SUPERINTENDENT OF BURIALS,
LOWELL, January, 1875. }

TO THE CITY COUNCIL:

Herewith I respectfully submit for your consideration the annual report of the City Physician and Superintendent of Burials for the year 1874:

There have been eleven hundred and eighty-four deaths, an increase of twenty-three from last year, and nearly double the number ten years ago. Estimating the population of the city to be 50,000 at the present time, 23.68 persons in every thousand have died, or 2.36 per cent. of the whole population.

A marked increase in the number of deaths from several diseases has occurred during the year. An epidemic of scarlet fever which began in 1873, causing 57 deaths, has been continued through the year 1874 with increased vigor, 100 cases proving fatal. The scarlet fever poison is very easily disseminated, and its fatality is shown by the above figures. In 1871, the year of the small pox epidemic, 172 cases of small pox terminated fatally, and many thousands of dollars were spent to check the progress of the disease. Scarlet fever, as far as the number of deaths is concerned, is treading close upon the heels of small pox, and yet seldom, if ever, is any effort made to arrest the

spread of the disease. It is the general opinion of medical men that the contagiousness of scarlet fever remains for some time after the disappearance of the eruption; yet many children who have been attacked with the disease are sent to school before the danger from contagion has been removed. To this, doubtless, may be ascribed the origin of many cases. It may sometime become a question whether some action ought not be taken to check the spread of the disease from this cause.

Cholera Infantum caused 135 deaths, 125 occurring in the four months beginning with July, and 100 in the months of August and September. This mortality has never been approached in any preceding year. There were 82 deaths from this cause in 1873.

Diphtheria has been quite prevalent, 17 cases proving fatal against 4 in 1873. In some portions of New England during the year, this disease has made great havoc.

Consumption caused 184 deaths, a decrease of 23 from the preceding year. The mortality from this disease has been quite evenly distributed through all the months of the year, being only slightly modified by changes in the temperature; while the mortality from Pneumonia is markedly increased during the winter months.

Eight persons have been drowned, but only one, I believe, while bathing. The great decrease in deaths from this cause must without doubt be ascribed to the establishment of free bathing houses, the credit of which belongs almost wholly to Mr. E. P. Woods,

through whose active exertions while a member of the city government, the plan was originated and brought to a successful termination.

Cerebro spinal meningitis caused 12 deaths, against 42 in the preceding year.

Among the causes of death were typhoid fever, 42; pneumonia, 61; heart disease, 47; croup, 34; accident, 27; cancer, 14; dropsy of brain, 21; old age, 44. Margaret Quinn who died of the latter disease was 100 years old.

Of those who died, five hundred and sixty-eight were males, and six hundred and sixteen were females. Five hundred and fifty-one were under five years of age.

The sanitary condition of the Almshouse during the year has been excellent. Three deaths only have occurred, one each from gangrene, pneumonia and scarlet fever. The latter disease found its way into the Reform School in a mysterious manner, but by prompt and thorough isolation of those attacked, only a half dozen cases happened. The person who died from gangrene was Samuel B. Jones, aged 68, an inmate of the institution seventeen years. Hoping to check the progress of the disease, amputation of the leg was resorted to, but without avail, for after lingering two months, he died. The case of pneumonia was in a scrofulous idiotic girl, who died after a brief illness. I take pleasure in bearing testimony to the uniformly kind treatment the sick have received at the hands of the Superintendent, Mr. Phelps, and his wife, and of Mr. Lang, the principal of the Reform School.

I desire to call the attention of the city government to the great inconvenience caused by the want of a tomb in one of the burial grounds belonging to the city. Oftentimes in winter when the snow lies at a great depth, the undertakers have difficulty in finding the lots, and errors have been made. The ground is sometimes frozen to a great depth; at the present time there is more than three feet of frost. It is not always convenient to remove a deceased person immediately after death, and some place of temporary deposit is necessary. The bodies of persons who have been drowned, or of strangers who have been suddenly killed, are obliged to await identification by friends in the shops of the undertakers; and when the body is partially decomposed, it has to be hastily buried without proper time for identification. I know of no city of any prominence that does not possess a tomb. The expense of building one is small, considering the great benefits to be derived. I think a good substantial tomb, sufficiently large to accommodate the wants of the city, could be erected for a sum between five hundred and a thousand dollars. Some plan might be devised by which the expense not only of keeping it in repair, but of its original cost could be met. By the city ordinance, the undertakers are allowed during the winter months one dollar extra for digging a grave. Persons desiring to wait till spring before interring the bodies of their friends, might be allowed to pay this dollar to the city for the use of the tomb. I trust you will deem it best for the interests of the city to make an appropriation for this object.

Much complaint has been made by owners of lots in the Burial Grounds of the great scarcity of water. By the advice of His Honor, the Mayor, I have caused a well to be dug in No. 3 yard, which will be a great aid to those who desire to beautify their lots.

Annexed will be found the usual tables which explain themselves.

Very Respectfully,

HERMON J. SMITH.

TABLE 2.

DEATHS IN EACH MONTH FOR THE LAST TEN YEARS.

MONTHS.	1865	1866	1867	1868	1869	1870	1871	1872	1873	1874	Total for each month.
January, . . .	45	72	71	65	72	87	89	66	82	88	737
February, . . .	49	55	43	61	49	84	66	80	82	83	652
March,	39	61	52	79	62	73	72	89	86	96	709
April,	42	58	47	57	44	61	78	75	91	104	657
May,	37	61	41	45	54	58	77	94	82	89	638
June,	40	56	51	45	45	69	75	68	68	67	584
July,	59	72	58	76	70	116	119	137	153	99	959
August,	69	58	68	111	80	103	119	113	141	139	1001
September, . . .	43	67	57	78	74	76	135	114	119	143	906
October,	55	51	50	75	74	82	88	72	107	96	750
November, . . .	44	72	56	84	64	70	54	69	65	90	668
December, . . .	53	66	46	81	75	73	61	71	85	90	701
Total,	575	749	640	857	763	952	1033	1048	1161	1184	

TABLE 3.

NUMBER OF DEATHS FROM SOME OF THE MOST PREVALENT DISEASES IN THE
LAST TEN YEARS.

DISEASES OR CAUSES OF DEATH.	1865	1866	1867	1868	1869	1870	1871	1872	1873	1874	Total.
Dropsy of Brain, . .	19	25	34	9	18	10	11	15	16	21	178
Cholera Infantum, . .	50	32	35	44	33	70	35	84	82	135	600
Consumption, . . .	123	128	146	156	147	151	168	225	207	184	1635
Croup,	12	20	13	14	23	28	15	20	21	34	200
Disease of Heart, . .	15	24	13	32	15	38	26	35	46	47	291
Dysentery,	13	21	4	17	11	8	2	15	10	7	109
Infantile,	28	21	23	44	39	50	36	77	64	48	430
Inflammation of Lungs,	24	25	34	42	31	46	54	58	80	61	455
Marasmus,	14	6	3	8	7	22	8	17	50	32	167
Scarlet Fever, . . .	26	2	15	95	42	10	32	12	57	100	391
Typhoid Fever, . . .	17	23	27	26	34	33	28	66	56	42	352
Diphtheria,	7	18	11	3	7	3	8	7	4	17	85

TABLE 4.

DEATHS IN LOWELL SINCE ITS INCORPORATION.

1827..... 50	1843.....364	1859..... 739
1828..... 32	1844.....362	1860..... 720
1829..... 66	1845.....363	1861..... 713
1830.....103	1846.....690	1862..... 641
1831.....117	1847.....949	1863..... 695
1832.....178	1848.....825	1864..... 633
1833.....211	1849.....903	1865..... 575
1834.....221	1850.....492	1866..... 749
1835.....229	1851.....629	1867..... 640
1836.....253	1852.....604	1868..... 857
1837.....301	1853.....734	1869..... 763
1838.....407	1854.....834	1870..... 952
1839.....340	1855.....766	1871.....1033
1840.....407	1856.....790	1872.....1048
1841.....434	1857.....818	1873.....1161
1842.....473	1858.....626	1874.....1184

TABLE 5.

NATIVITY OF THOSE DECEASED WITHIN THE YEAR 1874.

Born in the United States.....838	Born in Nova Scotia.....4
Born in Ireland .....220	Born in Newfoundland.....2
Born in Canada..... 36	Born in the Sandwich Islands.....1
Born in England..... 51	Born in France.....1
Born in Scotland ... 16	Born in Holland.....1
Born in New Brunswick. 5	Unknown.....9

TABLE I.

EXHIBITING THE NUMBER OF DEATHS IN THE CITY OF LOWELL, IN EACH MONTH, DURING THE YEAR 1874,
WITH THE^s CAUSE, AGE AND SEX.

CAUSE OF DEATH.	Female.		Male.		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Under 1 year.	1 to 2 years.	2 to 5 years.	5 to 10 years.	10 to 15 years.	15 to 20 years.	20 to 30 years.	30 to 40 years.	40 to 50 years.	50 to 60 years.	60 to 70 years.	70 to 80 years.	80 to 90 years.	90 to 100 years and over.
Anæmia.....	2	9	8											1																
Accident.....	22	5	27																											
Apoplexy.....	8	15	23																											
Abscess.....	2	9																												
Asthma.....	1	1																												
Angina Pectoris.....	1	1																												
Adenitis.....	10	10	20																											
Brain, Congestion of.....	9	7	16																											
Brain, disease of.....	7	10	17																											
Bronchitis.....	1	1																												
Burn.....	4	10	14																											
Cancer.....	1	9																												
Chorea.....	1	1																												
Childbirth.....	1	9																												
Colic.....	1	1																												
Cholæmia.....	80	104	184																											
Consumption.....	1	2	3																											
Cholera Morbus.....	19	15	34																											
Croup.....	74	61	135																											
Cholera Infantum.....	6	8	14																											
Convulsions.....	1	2	3																											
Canker.....	1	1																												
Cystitis.....	1	1																												
Congestion.....	1	1																												
Dropsy.....	7	10	17																											
Diphtheria.....	9	8	17																											
Dysentery.....	2	5	7																											
Dentition.....	2	2	4																											
Drowned.....	7	1	8																											
Diarrhea.....	2	3	5																											
Dementia.....	3	6	9																											
Debility.....	4	2	6																											
Erysipelas.....	1	3	4																											
Enteritis.....	3	1	4																											
Epilepsy.....	2	2	2																											
Endocarditis.....	1	1																												
Erythema.....	17	25	42																											
Fever, Typhoid.....	39	61	100																											
Fever, Scarlet.....	1	1																												
Fracture of Skull.....	1	1																												
Fistula in ano.....	1	1																												
Fistula in bladder.....	1	1																												
Glottis, spasm of.....	1	1																												
Glottis, oedema of.....	1	1																												
Gastralgia.....	1	1																												
Gout.....	1	1																												
Gangrene.....	3	3																												
Heart, disease of.....	23	24	47																											
Heart, dropsy of.....	1	1																												
Hæmia.....	1	1																												
Hæmorrhage.....	1	1																												
Hip, disease of.....	1	1																												
Hydrothorax.....	2	2																												
Hydrocephalus.....	10	11	21																											
Intemperance.....	1	1																												
Infantile.....	25	23	48																											
Jaundice.....	2	2																												
Kidney, Bright's disease of.....	3	3																												
Kidney, abscess of.....	1	1																												
Kidney, inflammation of.....	1	1																												
Lungs, congestion of.....	6	8	14																											
Liver, disease of.....	3	3																												
Liver, cirrhosis of.....	1	1																												
Laryngitis.....	2	1																												
Leucocythæmia.....	1	1																												
Marasmus.....	17	15	32																											
Meningitis.....	10	9	19																											
Measles.....	6	6	12																											
Meningitis, Cerebro-spinal.....	3	3																												
Measles.....	3	3																												
Old Age.....	13	31	44																											
Pneumonia.....	35	26	61																											
Peritonitis.....	6	10	16																											
Paralysis.....	8	6	14																											
Poisoning, accidental.....	4	1																												
Pleurisy.....	1	1																												
Pneumature Birth.....	2	1																												
Pyæmia.....	1	1																												
Rheumatism.....	1	1																												
Rosola.....	1	1																												
Scrofula.....	3	4	7																											
Suicide.....	3	3																												
Syphilis.....	1	1																												
Stomach, ulcer of.....	1	3	4																											
Stomach, disease of.....	1	1																												

CITY DOCUMENT.

CITY OF



LOWELL.

Annual Report

OF THE

CHIEF ENGINEER

OF THE

Lowell Fire Department,

FOR THE YEAR ENDING MARCH 31, 1875.

CITY OF LOWELL.

IN BOARD OF ALDERMEN, April 7, 1875.

Received and read.

SAMUEL A. McPHETRES, City Clerk.

Daily Courier Print.

REPORT.

CHIEF'S OFFICE, GOVERNMENT BUILDING, }
LOWELL, APRIL 1, 1875.

To the Honorable Mayor and Board of Aldermen:

GENTLEMEN:—Herewith is submitted the Annual Report of the Chief Engineer of the Fire Department, for the year ending March 31st, 1875.

The Report consists of a register of the Department, with number of badge, age, residence, and occupation of each member, with an inventory of the apparatus and other property in charge of each Company, and an enumeration of all property belonging to the Department, owned by the City. Also, a list of signal boxes connected with the fire-alarm telegraph, the number of hydrants and reservoirs, with their location, together with a full statement of the fires and alarms which have occurred during the past year, the causes thereof, the loss and insurance, as near as could be ascertained, and such information and suggestions as are thought proper for your consideration.

The balance of the Appropriation for 1873, undrawn January 1,	
1874, was.....	\$ 4,203 56
Appropriated for 1874.....	40,000 00
Received from other sources.....	1,553 76
Transferred from Corporation Tax.....	6,000 00
	<hr/>
	\$51,757 32
Amount expended.....	46,592 17
	<hr/>
Balance undrawn January 1, 1875.....	\$5,165 15

FIRES AND ALARMS.

The whole number of alarms given from signal boxes, for the year ending at this date, has been thirty-one, being about half the number of last year. Of the alarms given, one was out of the City at that time, being at Middlesex Village, which has since been annexed, to which the Department responded in force, two boxes having been struck for the same fire, a large barn on the Howard farm. Ten alarms were given for slight causes, or at least were given so promptly, that little or no damage was done by fire or water. In addition to the above, there have been several still alarms, at one of which the loss was reported to be fifty-one hundred dollars, being in one of the mills of the Hamilton Corporation. At other still alarms, good service has been rendered by members of the Department.

The amount of loss, as near as could be ascertained, from fire and water, is \$31,219.00; upon which there has been paid insurance to the amount of \$24,636.00, making loss above insurance, \$6583.00. Elsewhere will be found a tabular statement, to which you are referred for details of each fire. There have been no false alarms, although a number have been given for slight causes.

APPARATUS.

During the past year, a four-wheeled Amoskeag horse hose-carriage, with horse and driver, has been added to the Department. Also, three thousand feet of leather hose. The apparatus now consists of four steam fire en-

gines, nine hand hose carriages, one four-wheeled horse hose carriage, one two-wheeled horse hose carriage, two hook and ladder trucks, and one hand engine, with a two-wheeled jumper attached. Three steamers and eight hose carriages are in service. Three of the hose carriages are attached to steamers, one of them being drawn by a horse; all other carriages are drawn by hand. The horse hose carriage, also the hook and ladder carriages, respond to every alarm. The two hook and ladder carriages are run by one company, the second carriage being sent for if needed, or used when the other needs repairs. In addition to the above, we have eight hose reels on runners, for winter use, one of them being drawn by horse, the others by hand; when they are in use, the hose carriages are also kept loaded with hose, so that during the winter season a double quantity of hose is available for an emergency. All the companies are now supplied with stop and spray nozzles, five of them being of an improved pattern; they are a valuable acquisition, and will, it is thought, enable the Department to control fires without the use of so much water. The large amount of hose purchased last season, a considerable portion of which has not been distributed, gives us an ample supply, in good condition. We have 15,300 feet of 2 1-2 inch hose, 500 feet of it being rubber lined linen hose; also, 900 feet 2 1-4 leather, at stationary points, and used for various purposes. Two hundred feet are on the reel of the carriage at the "New City," with hydrant connections; two hundred feet are in the hose house, belonging to the Prescott Corporation, in the rear of East Merrimack street.

The steamers and hose carriages are in good condition, and will need but little, if any, repairs this year, unless as the result of accident. Two hand extinguishers, "Steiner" style, have been purchased, and are now in use, being carried on the hook and ladder truck; they have not been in use long enough to give an opinion as to their usefulness. Two small force pumps have also been added to the equipments of the hook and ladder carriage, which are to be used for the same purpose as the extinguishers. The house occupied by the hook and ladder company is being improved, and made much more convenient, by reason of the additions being made to the upper stories of the building at this time. The houses of the Department are in good condition. Most of them were repaired and painted last season. Land was purchased last fall on Gorham street, above Congress street, and plans are now before the Committee on Fire Department, for an Engine House, the proposition being to remove a steamer from Middle street to that locality.

FIRE ALARM TELEGRAPH.

The telegraph is working satisfactorily, under the careful management of Geo. B. Whitney, driver of steamer No. 3. Its usefulness increases, and its worth becomes more manifest as we realize how quietly, yet with certainty, it informs the Department where its services are needed, or the happy scholar that school is dismissed for the day, or the sleepy citizen that the fire is far away, or is under control. Two signal boxes, of an improved pattern, have been added during the year,

and are located as follows: Number nine (9), corner of Salem and Common streets; number forty-six (46), on the northerly end of Central Bridge, in Centralville. These boxes are non-interfering, and repeat the alarm four times; all other boxes repeat five times. Signal boxes are asked for in the newly-annexed portions of the City. More room is needed for additions to the battery, which must be increased, in order to provide for additional boxes. A gong should be located in the Government Building, as it is difficult to hear the alarm bell with the windows closed.

WATER.

During the past year, 75 hydrants have been added, making now a total of 534, for which this Department is charged, annually, twenty dollars each, which is placed to the credit of the Water Works. Hydrants have been put in on all extensions of pipe; also, at the corner of Middle and Central streets, and on John, near Merrimack street, and a new one has taken the place of an old one at the corner of Merrimack and Worthen streets. Several other changes should be made on the old line of pipe. The post hydrants on Merrimack street should be removed and replaced with new ones which have a larger capacity, and are not obstructions to travel. The post hydrants on Kirk street should be removed and replaced with a less number of new ones, on a larger sized pipe laid through the street. The present one, being but 4 inch, and having been laid more than thirty years, is partly filled up with a deposit of mud and rust. New hydrants should be placed

on Central, between Jackson and Church streets, connecting with the twelve-inch main, instead of the six and four-inch pipe, as at present, which has no circulation, coming to a dead end at the head of Church street. On the Middlesex street line, there are several hydrants that are but three feet in length, consequently they are liable to freeze in extreme cold weather, although packed. From Garnet to Jackson streets, there is no hydrant; there should be one, for it is a combustible neighborhood. Under these circumstances, would it not be better to replace the cement pipe, about which there is uncertainty, from Central to Thorn-dike streets, with a larger sized iron pipe, instead of laying a new line of pipe and putting in hydrants, as proposed, on Jackson street?

The hydrants on the new lines of pipe are the Boston Machine Company's flush hydrant, with a five-inch outlet. They are placed beneath the side-walk, inclosed in a wooden box, and thus far have not been protected against frost. The extreme cold weather we have had during the past winter proved the necessity of taking precautions against the danger of having frozen hydrants.

In addition to the number of hydrants before enumerated, there are others which have been paid for by the parties on whose premises they are located, and which would be used by the Department in a case of necessity. There are, on public and private streets, fifty hydrants, 2 1-4 inch, flush and post, which belong to the Corporations, and are supplied with water from their reservoir in Belvidere. These, in case of emer-

gency, can be used by the Department. A sixteen-inch pipe was laid through Dutton street the past season, by the Corporations, for fire purposes only, and upon request being made by the Chief Engineer, a hydrant was located at the southerly end of Huntington Hall Building, being connected with that pipe.

Previous to the introduction of water by the City, the pipes, gates and hydrants then existing, owned by the City, were in charge of the Chief Engineer of the Fire Department, the pipes being filled with water from the Corporation reservoir, under contract. When the pipes were filled from the City reservoir, the Superintendent of the Water Works assumed the care of all pipes, gates and new hydrants, so far as repairs are concerned, but not of the old hydrants, leaving them to be taken off and repaired by the Fire Department. This condition of things should not exist; the power that controls the gates, should keep the hydrants in repair.

MANUAL FORCE.

The Department consists of a Chief Engineer, who is employed permanently; five Assistant Engineers; three Steamer Companies, of thirteen men each; five Hose Companies, of twelve men each; and one Hook and Ladder Company, of twenty-nine men, including the driver. The drivers, five in number, are permanently employed; and, in addition to fire duty, perform such other duty as may be required, with the teams, hauling pipe for the Water Works, and other City De-

partments, for which labor the Fire Department appropriation receives credit.

One of the drivers has charge of the fire alarm telegraph, which duty he attends to in a faithful manner. Each of the steamer drivers has the hydrants in two wards assigned to him, to look after during the winter season, and to know the condition of them at all times. The driver of the hook and ladder truck assists on telegraph work, and makes himself generally useful whenever occasion demands.

When the horse hose carriage went into service, a horse was purchased, and one of the hosemen was appointed driver. Since then a vacancy occurred in the number of hosemen attached to that carriage, which has not been filled, and I suggest that there be another vacancy made, thereby reducing the hosemen to seven beside the driver, leaving them stronger than other companies who pull the carriage by hand, and also, in my opinion, tending to give better results at fires, by having *skilled* labor to perform fire duty.

I also suggest that it be made a part of the duty of the driver of a horse hose carriage to perform all the duties, and act as Clerk of the company to which he is attached.

The past year has been quite free from accidents to members of the Department. One year ago, William Doyle, an old and well-known member, "always ready, always faithful," was taken above to answer that last roll-call that awaits us all; and it will be well with

us, if it shall be said of us, as of him, faithful to the last.

In the early part of the year, T. E. Stratton, Engineer of Steamer No. 3, and who also had charge of the Fire Alarm Telegraph, from the time of its being put into operation, up to that time, resigned, in consequence of injuries received while in the discharge of his duties connected with the telegraph, which were always performed in a satisfactory manner. I take this opportunity to return him thanks for advice and suggestions since his retirement from the Department.

In conclusion, I beg leave to make a few suggestions, which I respectfully submit for your consideration. The tendency in large cities is, to place the Fire Department on a permanent basis, and, by removing it, as far as possible, from political change, create a sense of personal responsibility, and retain the services of competent and faithful subordinates as long as it may be of mutual interest to do so. And in harmony with that view, I renew my recommendations of one year ago, "That the appointment of members of the Department should be made to continue during good behavior, removable for cause at any time; that foremen of companies should be approved by the Board of Engineers, and appointed by the Mayor and Board of Aldermen, to hold their positions until removed by promotion or otherwise."

It would also seem a proper time, in connection with the revision of the Charter, to prepare a well-digested Ordinance, regulating the Department.

Hoping these views will meet with your approval, it remains for me to make heart-felt acknowledgment to all officials with whom I have come in contact, and from whom I have received many favors. Engineer Bates is not a candidate for re-election, and retires, after many years of active and useful service.

To the Board of Engineers, for their prompt support, and to the Department, for the ready response to all calls made upon them, I return thanks.

Respectfully,

GEORGE HOBSON,

Chief Engineer.

FIRE DEPARTMENT,

MARCH, 1875.

CHIEF ENGINEER,

GEORGE HOBSON, Aged 49.

Residence, 24 Linden Street.

Office, City Government Building

ASSISTANT ENGINEERS.

Badge.	Name.	Age.	Occupation.	Residence.
A	Charles H. Arlin,	47	Gas Fitter,	Perrin Street.
B	Samuel W. Taylor,	45	Carpenter,	172 Merrimack Street.
C	William W. Bates,	51	Teamster,	Richmond Street.
D	*Hiram N. Hall,	46	Clerk,	Elliott Street.
E	Edward S. Hosmer	37	Butcher,	Livermore Street.

*Secretary to Board of Engineers.

FOREMEN OF THE SEVERAL COMPANIES.

Badge.	Name.	Age.	Occupation.	Residence.
39	Henry W. Burton,	34	Carpenter,	17 Kirk Street.
49	Ruel F. Britton,	27	Grocer,	Steamer House.
59	Josiah W. White,	25	Merchant,	37 Bartlett Street.
71	Samuel G. Cooper,	29	Block Cutter,	Hale Street.
81	George T. Anthony	33	Carpenter,	32 Tilden Street.
94	James F. Norton,	35	Gas Fitter,	13 Church Street.
105	William King,	33	Boot Maker,	56 Fayette Street.
117	James Armstrong,	31	Trader,	Bow Street.
11	William K. Doe,	34	Carpenter,	166 Merrimack Corp.

HOPE STEAM FIRE ENGINE COMPANY, No. 1.

12 MEMBERS. HOUSE ON MIDDLE STREET.

Badge.	Position.	Name.	Age.	Occupation.	Residence.
1	Engineer.	Locke, J. J.	43	Machinist,	29 Chapel Street.
4	Ass't Engineer	Butterfield, J. C.	23	Machinist,	41 Worthen Street.
7	Driver,	Teel, George	30	Driver S. F. E.	Engine House.

HOSE CARRIAGE DRAWN BY HORSE.

39	Foreman.	Burton, H. W.	34	Carpenter,	17 Kirk Street.
44	Ass't Foreman	Stone, W. F.	29	Machinist,	53½ Church Street.
45	Clerk,	Estabrook, Howard	29	Mason,	112 Suffolk Street.
41	Driver,	Lord, C. A.	30	Dri'r Hose Car'ge,	Engine House.
42	Hoseman,	Lord, J. F.	32	Mason,	26 Fifth Street.
43	"	Boyle, James	28	Carder,	114 Middlesex Street.
48	"	Charters, W. A.	24	Hotel Clerk,	1 City Hall Avenue.
46	"	La Mountain, J. L.	30	Carpenter,	12 Dodge Street.
40	"	Winslow, James	22	Dyer,	Engine House.

Apparatus and Property owned by the City, in care of this Company.

Steamer built by Union Machine Co., of Fitchburg, in 1870, has two double-acting steam cylinders, 8 inch diameter and 8 inch stroke, and two double-acting pumps, 4 $\frac{3}{8}$ inches diameter, arranged to work separately or together, weight, when loaded, 7575 lbs., has 30 feet suction hose, with hydrant couplings; hose carriage, carrying 800 feet 2 $\frac{1}{2}$ inch leather hose; 1 two-way chuck, with reducer; 1 four-way chuck, with reducer; 1 branch connection; 2250 feet of 2 $\frac{1}{2}$ inch leather hose; 3 reducers; 2 hose pipes, with stop and spray nozzles; 12 spanners; 8 lanterns; 1 hydrant wrench; 6 ladder-straps; 2 bars; 2 axes; 1 wrench; 1 bucket; 1 horse hose sleigh; 6 hat fronts; 13 silver badges; 3 horses; 1 set each double and single harnesses; 4 horse blankets; 3 hoods; 3 beds and bedding; 1 bureau; 1 mirror; 18 cane-seat chairs; 4 chairs; 1 table, and all tools necessary for repairs on engine and cleaning horses.

TORRENT STEAM FIRE ENGINE COMPANY, No. 2.

13 MEMBERS. HOUSE ON MIDDLESEX STREET.

Badge.	Position.	Name.	Age.	Occupation.	Residence.
2	Engineer,	Maddocks, George	29	Machinist,	Engine House.
5	Ass't Engineer	Hibbert, C. S.	29	Machinist,	12 Marshall Street.
8	Driver,	Boynton, Henry	23	Driver S. F. E.	Engine House.

HOSE CARRIAGE DRAWN BY HAND.

49	Foreman,	Britton, R. F.	27	Grocer,	Engine House.
50	Ass't Foreman	Leavitt, J. E.	26	Moulder,	1 Worthen Street.
58	Clerk,	Hartford, G. H.	23	Bobbin Maker,	84 Appleton Street.
52	Hoseman,	Stearns, A. C.	33	Cabinet Maker,	Engine House.
56	"	Coolidge, M. J.	23	Moulder,	Engine House.
55	"	Hill, Joseph	24	Plumber,	Gorham Street.
54	"	Webster, L. M.	25	Baker,	1 Worthen Street.
57	"	Lafam, Chas.	22	Box Maker,	McIntire Street.
51	"	Fitzgerald, J. E.	22	Moulder,	269 Middlesex Street.
53	"	Abbott, J. W.	25	Carpenter,	134 Middlesex Street.

Apparatus and Property owned by the City, in care of this Company.

Steamer built by Hunneman & Co., in 1868, similar to engines 1 and 3. weight when loaded, 7720 lbs., has 30 feet suction hose with hydrant couplings; hose carriage, carrying 500 feet of 2½ inch leather hose; 1 hose sleigh, given by citizens of Ward 4; 1200 feet 2½ inch leather hose; 500 feet 2½ inch linen rubber-lined hose; 1 two-way chuck, with reducer; 1 axe; 1 branch connection; 3 hose pipes, with stop and spray nozzles; 14 spanners; 8 ladder-straps; 3 hydrant wrenches; 2 small bars; 2 large bars; 1 copper goose-neck; 1 jack screw; 1 pair lead-bars; 1 pair horses; 2 pair harnesses; 1 pair halter bridles; 1 fuel wagon; 6 coal boxes; 1 wagon jack; 1 pair traverse-runners; 1 large reducer, 5 to 2¼ inches; 4 reducing couplings; 4 blankets; 2 hoods; all tools necessary for cleaning horses and repairing engine; 12 arm chairs; 15 cane-seat chairs; 1 stove; 1 copper boiler; 1 bureau; 3 beds and bedding; 1 map of the city; and 1 fire-alarm gong.

WAMESIT STEAM FIRE ENGINE COMPANY, No. 3.

13 MEMBERS. HOUSE ON MIDDLE STREET.

Badge.	Position.	Name.	Age.	Occupation.	Residence.
3	Engineer.	Brown, E. L.	36	Machinist,	41 Merrimack Corp.
6	Ass't Engineer	Merchant, J. G.	37	Engineer,	31 Rock street.
9	Driver.	Whitney, G. B.	28	Driver S. F. E.	Engine House.

HOSE CARRIAGE DRAWN BY HAND.

59	Foreman,	White, J. W.	25	Merchant,	37 Bartlett Street.
61	Ass't Foreman	Stackpole, J. H.	34	Manufacturer,	27 Stackpole Street.
63	Clerk,	Hoyt, Frank	26	Cigar Maker,	98 Merrimack Street.
64	Hoseman,	Adams, James	25	Carpenter,	106 Middlesex Street.
67	"	Bowden, Frank	23	Manufacturer,	30 Chestnut Street.
68	"	Cates, John	33	Manufacturer,	40 Tremont Corp.
66	"	Going, George	23	Clerk,	5 Merrimack Street.
65	"	Hilliard, D. W.	24	Carpenter,	Engine House.
60	"	Little, E. J.	27	Machinist,	83 Prince Street.
62	"	Smith, A. B.	23	Machinist,	19 Machine Shop Corp

Apparatus and Property owned by the City, in care of this Company.

Steamer built by Hunneman & Co., in 1866, similar to engines 1 and 2, weight when loaded, 7650 lbs., has 30 feet suction hose, with hydrant couplings; 1 hose carriage, carrying 500 feet 2½ inch leather hose; 1 hose sleigh; 1600 feet 2½ inch leather hose; 1 two-way chuck, with reducer; 12 spanners; 1 hydrant wrench; 2 reducers; 2 axes; 2 pipes, with stop and spray nozzles; 3 ladder-straps; 1 branch connection; 1 iron bar; 7 hat fronts; 13 silver badges; 1 bucket; 4 lanterns; 2 mirrors; 1 bureau; 3 beds and bedding; 1 map of the city; 2 horses; 2 pairs harnesses; 4 horse blankets; 1 pair lead-bars; and all tools necessary for repairs on engines and cleaning horses. The following articles are used in common by companies 1 and 3: 1 fuel-wagon; 1 traverse-runner sleigh; 2 whiffle-trees; 1 large stove; 1 clock; 1 copper boiler; 1 copper goose-neck, with hydrant connections; 1 large gong; and 50 feet ¾ inch hose and pipe.

OCEAN HOSE COMPANY, No. 1.

12 MEMBERS. HOUSE ON WARREN STREET.

Badge.	Position.	Name.	Age.	Occupation.	Residence.
71	Foreman,	Cooper, S. G.	29	Block Cutter,	17½ Hale Street.
80	Ass't Foreman	Simons, F. W.	23	Bill Poster,	105 E. Mer. Street.
79	Clerk,	Mason, G. E.	24	Grainer,	70 High Street.
76	Steward,	Hunt, William	22	Carpenter,	17 Hurd Street.
74	Hoseman,	Hanson, J. S.	37	Teamster,	11 Franklin Court.
73	"	Wilkins, F. A.	33	Painter,	Welles' Block.
78	"	Walton, A. C.	37	Weaver,	48 Mass. Corp.
75	"	McDermott, M.	29	Machinist,	322 Gorham Street.
70	"	Gilman, W. H.	22	Painter,	70 High Street.
69	"	Graves, G. A.	22	Cabinet Maker,	36 Church Street.
72	"	Lane, G. W.	22	Spinner,	9 Prescott Corp.
77	"	Messer, Frank	23	Manufacturer,	49 High Street.

HOSE CARRIAGE DRAWN BY HAND.

Apparatus and Property owned by the City, in care of this Company.

Hose Carriage, built by Hunneman & Co., Boston, in 1853, carrying 750 feet of hose; 1800 feet of 2½ inch leather hose; 6 reducing couplings; 25 feet of small hose; 1 hose sleigh; 12 spanners; 6 belts; 1 breast-plate harness; 1 two-way chuck; 1 branch connection; 2 hose pipes, one of them with patent stop nozzle; 1 extra nozzle; 6 ladder straps; 12 silver badges; 8 hat fronts; 1 head light; 1 feather duster; 2 coal hods; 2 shovels; 1 broom; 2 stoves; 1 hand brush; 2 lanterns; 2 buckets; 2 wash basins; 2 pails; 1 hoe; 2 axes; 1 coal sifter; 1 copper boiler; 1 watering pot; 1 carriage jack; 23 chairs; 1 mirror; 1 hydrant wrench; 1 set of rollers for hose sleigh; 1 settee; 1 map city of Lowell; 1 fire alarm gong; 4 iron spittoons; 1 watering pot.

MECHANICS HOSE COMPANY, No. 2.

12 MEMBERS. HOUSE ON CROSS STREET.

Badge.	Position.	Name.	Age.	Occupation.	Residence.
81	Foreman,	Anthony, G. T.	33	Carpenter,	32 Tilden Street.
82	Ass't Foreman	Pierce, J. A.	26	Door Maker,	14 Franklin Street.
86	Clerk,	Douglass, E. W.	21	Painter,	41 Rock Street.
85	Steward,	Osgood, F. W.	26	Machinist,	30 Grove Street.
87	Hoseman,	Wade, S. O.	22	Stone Cutter,	24 Perrin Street.
88	"	Green, C. D.	29	Carpenter,	76 Moody Street.
90	"	Tucker, J. H.	22	Moulder,	332 Middlesex Street.
91	"	Clark, C. A.	25	Machinist,	58 Law. Corp.
84	"	Fletcher, E. W.	21	Moulder,	92 Willie Street.
83	"	Harrington, H. E.	27	Painter,	91 Willie Street.
92	"	Prescott, C. E.	21	Cabinet Maker,	25 Adams Street.
	Vacancy.				

HOSE CARRIAGE DRAWN BY HAND.

Apparatus and Property owned by the City, in care of this Company.

Hose Carriage, built in 1869, carrying 750 feet of hose; 1600 feet of 2½ inch hose; 1 hose sleigh; 6 arm chairs; 12 cane seat chairs; 4 reducing couplings; 2 hose pipes, one with patent stop nozzle; 50 feet ¾ inch rubber hose and pipe; 1 carriage jack; 1 branch connection; 12 spanners; 6 spanner belts; 12 hat fronts; 12 silver badges; 1 two-way chuck, with reducer; 6 lanterns; 7 ladder straps; 2 iron bars; 1 hydrant wrench; 1 axe; 1 mirror; 2 stoves; 2 shovels; 1 fire shovel; 2 brooms; 1 wash dish; 5 spittoons; 2 water pails; 1 window brush; 1 monkey wrench; 2 buckets; 1 hand brush; 1 feather duster; 1 desk; 1 coal hod; 2 ladders; 1 map city of Lowell; 1 fire alarm gong; 2 settees; 1 mop; 2 whiffletrees.

EXCELSIOR HOSE COMPANY, No. 3.

12 MEMBERS. HOUSE ON CENTRAL STREET.

Badge.	Position.	Name.	Age.	Occupation.	Residence.
94	Foreman,	Norton, J. F.	35	Gas Fitter,	13 Church Street.
95	Ass't Foreman	Meloy, W. H.	30	Blacksmith,	45 Summer Street.
104	Clerk,	Allen, Thomas	23	Machinist,	32 William Street.
96	Steward,	Collins, M. F.	24	Bricklayer,	78 Charles Street.
98	Hoseman,	Mack, Joseph	26	Gas Fitter,	13 Church Street.
93	"	White, William	23	Clerk,	28 William Street.
100	"	Cunningham, E.	27	Gas Fitter,	29 Church Street.
97	"	Coughlin, J. E.	24	Plasterer,	262 Central Street.
99	"	Barris, James	27	Blacksmith,	23 Linden Street.
103	"	Barris, Robert	22	Carriage Trimmer,	23 Linden Street.
102	"	Curtin, Patrick	22	Moulder,	4 Taylor Street.
101	"	McLoughlin, John	22	Blacksmith,	150 Middlesex Street.

Apparatus and Property owned by the City, in care of this Company.

Hose carriage; 1 hose sleigh; 1600 feet of hose; 2 hose pipes, patent nozzles; 3 hand lanterns; 1 axe; 1 two-way chuck and reducer; 1 pail; 4 reducing couplings; 3 iron bars; 10 spanners; 4 ladder straps; 4 buckets; 1 branch connection; 4 ladder ropes; 1 monkey wrench; 6 bat fronts; 13 cane seat chairs; 7 chairs; 2 settees; 4 iron spittoons; 1 table; 1 stove and funnel; 1 copper boiler; 1 mirror; 1 step ladder; 1 shovel; 1 wooden shovel; 1 small shovel; 1 coal hod; 1 coal sifter; 1 carriage jack; 1 hydrant wrench; 1 whiffletree; 25 feet $\frac{3}{4}$ inch rubber hose, with pipe; 1 two-horse pole; 12 silver badges; 1 fire alarm gong; 1 ash can.

MAZEPPA HOSE COMPANY, No. 4.

12 MEMBERS. HOUSE ON FAYETTE STREET.

Badge.	Position.	Name.	Age.	Occupation.	Residence.
105	Foreman,	King, Wm.	33	Boot Maker,	56 Fayette Street.
106	Ass't Foreman	Halstead, W. H.	31	Wool Sorter,	2 High Street Square.
107	Clerk,	Meredith, Edward	34	Painter,	54 Fayette Street.
111	Steward,	Harrington, Jere	25	Wire Worker,	34 Fayette Street.
114	Hoseman,	Halstead, J. W.	26	Wool Sorter,	13 Alder Street.
109	"	Hussey, G. R.	44	Moulder,	37 Pond Street,
110	"	Meloy, Edward	29	Piper,	40 Fayette Street.
108	"	Morse, Charles	34	Finisher,	—Howe Street.
115	"	Morse, C. J.	25	Oil Finisher,	24 Pleasant Street.
112	"	O'Brien, Richard,	24	Mason,	29 E. Merrimac Street.
113	"	Quinlan, J. J.	23	Machinist,	6 Fayette Street.
116	"	Wyman, Geo.	24	Mason,	41 Fayette Street.

Apparatus and Property Owned by the City, in care of this Company.

Hose Carriage, built by J. J. Wright & Co, of this city, carrying 750 feet of hose ; 1 hose sleigh ; 1700 feet of $2\frac{1}{2}$ inch leather hose ; 1 two-way chuck ; 30 feet of $\frac{3}{4}$ inch rubber hose and pipe ; 12 silver badges ; 1 clock ; 1 mirror ; 1 hydrant wrench ; 12 hat fronts ; 12 spanners ; 2 stoves ; 1 table ; 1 step ladder ; 1 branch connection ; 3 hose pipes and nozzles ; 4 reducing couplings ; 2 bars ; 2 monkey wrenches ; 1 whiffletree ; 6 ladder straps ; 1 copper boiler ; 5 lanterns ; 1 signal lantern ; 25 chairs ; 1 settee ; 1 flag ; 1 jack ; 1 coal hod ; 1 shovel ; 2 axes ; 12 hose belts ; 1 water pail ; 2 wash dishes ; 1 broom ; 3 spittoons ; 1 feather duster ; 1 map of the City of Lowell ; 1 fire alarm gong.

WELLMAN HOSE COMPANY, No. 5.

12 MEMBERS. HOUSE ON FOURTH STREET.

Badge.	Position.	Name.	Age.	Occupation.	Residence.
117	Foreman,	Armstrong, James	31	Trader,	Bow Street.
118	Ass't Foreman	Merrill, Alphonzo	39	Truckman,	Fifth Street.
119	Clerk,	Richardson, C. H.	30	Expressman,	Read Street.
120	Steward,	Patten, G. W.	22	Florist,	Third Street.
122	Hoseman,	Farrell, T. J.	24	Coachman,	Bridge Street.
123	"	Heald, A. W.	33	Truckman,	Coburn Street.
125	"	McFarland, W. H.	22	Manufacturer,	Mass. Corp.
124	"	McMonagle, John	22	Machinist,	Mass. Corp.
121	"	Mansur, Frank	25	Gardener,	Third Street.
126	"	Rogers, Caleb	41	Grocer,	Fifth Street.
127	"	Sanborn, Jr., G. W.	25	Manufacturer,	Myrtle Street.
128	"	Whitney, C. H.	25	Truckman,	Myrtle Street.

HOSE CARRIAGE DRAWN BY HAND.

Apparatus and Property owned by the City, in care of this Company.

Hose carriage formerly used by Steamer Co. No. 1, built in 1869 ; 1 hose sleigh ; 1500 feet $2\frac{1}{2}$ inch leather hose ; 1 thirty-four feet ladder ; 1 two-way chuck, with reducer ; 1 hose pipe, with stop and spray nozzle ; 1 common hose pipe ; 2 reducing couplings ; 1 bar ; 12 spanners ; 2 brass lanterns ; 2 tin lanterns ; 1 stove ; 2 settees ; 12 cane seat chairs ; 6 wooden chairs ; 1 hall table ; 2 brooms ; 4 iron spittons ; 1 map ; 1 large iron shovel ; 1 small iron shovel ; 1 wooden shovel ; 1 coal hod ; 1 wooden pail ; 1 leather bucket on hose carriage ; 25 feet small rubber hose and pipe ; 1 coal sifter ; 12 silver badges.

FRANKLIN HOOK AND LADDER COMPANY.

29 MEMBERS. HOUSE ON MIDDLE STREET.

Badge.	Position.	Name.	Age.	Occupation.	Residence.
11	Foreman,	Doe, W. K.	54	Carpenter,	Colburn Street.
12	Ass't Foreman	Pearson, J. P.	36	Carpenter,	Appleton Street.
13	Clerk,	Lovejoy, Edwin	45	Trader,	Andover Street.
10	Driver,	Foster, H. J.	24	Driver,	Engine House.
24		Bishop, Nathaniel	37	Spinner,	French Street.
31		Bishop, William	25	Carpenter,	Prince Street.
15		Clark, Ezra	48	Manufacturer,	Worthen Street.
35		Daggett, H. C.	49	Carpenter,	Bridge Street.
18		Downs, H. B.	40	Carpenter,	Bowditch Street.
28		Flagg, J. L.	39	Carpenter,	Jackson Street.
20		Fuller, F. E.	26	Carpenter,	Bowditch Street.
25		Gardner, H. S.	23	Moulder,	Worthen Street.
23		Gilbert, A. H.	25	Picture Framer,	Central Street.
26		Healy, J. C.	45	Pattern Maker,	Merrimac Street.
22		Hubbard, C. F.	45	Teamster,	Carpet Corp.
16		Ingalls, W. W.	51	Carpenter,	Tremont Street.
37		Joyce, J. H.	33	Moulder,	Butterfield Street.
33		McCoy, John	39	Moulder,	Mechanic Street.
32		Norman, Rufus	48	Carpenter,	Colburn Street.
29		Peabody, W. L.	22	Moulder,	Mechanic Street.
30		Pickman, David	51	Machinist,	Oak Street.
21		Pullen, J. A.	47	Machinist,	Colburn Street.
36		Reed, G. W.	36	Spinner,	Worthen Street.
38		Roberts, William	47	Teamster,	Hampshire Street.
14		Simmons, W. H.	49	Moulder,	Howard Street.
34		Stockwell, William	25	Painter,	High Street.
17		Thompson, Alvin	38	Blacksmith,	Worthen Street.
19		Warren, O. E.	27	Manufacturer,	Worthen Street.
27		Whitely, Joseph	32	Machinist,	Mason's Court.

Apparatus and Property owned by the City, in care of this Company.

Two hook and ladder trucks, carrying the following apparatus:
19 ladders of the following lengths: 2 butt ladders, 33 feet each; 2

tip ladders, 30 feet each ; by joining the tips and butts together, ladders 56 feet can be raised ; 5 ladders, 33 feet ; 2 ladders, 16 feet each ; 4 ladders, 12 feet each ; 1 ladder, 27 feet ; 3 ladders, 22 feet each ; 11 props ; 6 hooks ; 7 pitchforks ; 6 rakes ; 7 axes ; 2 sledges ; 1 wrench ; 1 bar ; 8 lanterns ; 4 guy ropes, 80 feet each ; 4 wooden chairs ; 31 cane seat chairs ; 1 clock ; 1 mirror ; 1 stove ; 1 copper boiler ; 2 brooms ; 1 dust pan ; 1 table ; 1 coal sifter ; 1 mop ; 2 coal hods ; 1 clock ; 2 pails ; 2 horse blankets ; 1 hood ; 1 horse ; 1 harness ; all tools necessary for cleaning horse ; 1 light wagon for use in repairing telegraph.

ADDITIONAL FIRE APPARATUS.

RELIEF STEAM FIRE ENGINE.

HOUSE ON WARREN STREET.

No members attached. On the rotary principle, 12 inch engine, 6 inch pump ; weight when loaded, 8,300 lbs. ; 30 feet suction hose, with hydrant couplings.

ONE TWO-WHEELED HORSE HOSE CARRIAGE.

KEPT IN HOUSE ON WARREN STREET.

Has 800 feet $2\frac{1}{2}$ inch hose, on reel ; only used in case of emergency ; also, 500 feet $2\frac{1}{4}$ inch hose, not reliable.

ONE HAND HOSE CARRIAGE,

Used for Relief purposes.

KEPT AT HEARSE HOUSE ON BROADWAY.

ONE HAND HOSE CARRIAGE.

KEPT AT HOUSE ON LINCOLN STREET, AYER'S CITY.

ROCKET ENGINE, No. 2.

HOUSE ON LINCOLN STREET, AYER'S CITY.

Hand Engine, built by Hunneman & Co., $5\frac{1}{2}$ inch cylinders, 16 inch stroke; 20 feet suction hose; hose tender attached, with 200 feet of $2\frac{1}{4}$ inch hose on the reel; also connections for new hydrants; 1 copper goose-neck.

FIRE KING ENGINE, No. 6.

KEPT AT POOR FARM.

Small Hand Engine, built by Hunneman & Co., $3\frac{1}{2}$ inch cylinder, 12 inch stroke; 300 feet 2 inch leather hose.

OTHER PROPERTY BELONGING TO THE
DEPARTMENT,

IN CHARGE OF THE CHIEF ENGINEER.

200 feet of $2\frac{1}{4}$ inch hose, attached to hydrant on Prescott Corporation, lot of old iron pipe, 2 trucks for hauling pipe, about worn out, 1 copper goose-neck, and other tools for working on hydrants; 1 ten-gallon oil can, 1 pump for hydrant boxes, 1 two-way chuck pattern, 2 reducer patterns, 1 set dies for department badge, 7 fire buckets, now at steamer house, Middle street, formerly kept at City Government Building. 800 feet of new hose, that has not been used.

RECAPITULATION.

One Chief Engineer, 5 Assistant Engineers, 128 Firemen, 4 Steam Fire Engines, 2 Hook and Ladder Carriages, fully equipped, 9 Hand Hose Carriages, 1 Horse Hose Carriage, four wheeled, 1 Horse Hose Carriage two wheeled, 1 Hand Engine with Hose Tend-

er, 7 hand Hose Sleighs, 1 Horse Hose Sleigh, 2 Hand Extinguishers, 15,300 feet $2\frac{1}{2}$ inch Leading Hose, 900 feet $2\frac{1}{4}$ Leading Hose; 120 feet Suction Hose, 230 feet $\frac{3}{4}$ inch Rubber Hose and 5 Hose Pipes, 8 Horses, 2 Fuel Wagons and 1 set heavy Traverse Runners, 1 Light Wagon, 1 Traverse-Runner Sleigh, 10 Double Harnesses, 2 Single Harnesses, 135 Silver Badges, 53 Hat Fronts, 12 Axes, 30 Reducing Couplings, 7 $5 \times 2\frac{1}{4}$ inch Reducers, 20 Hose Pipes, 8 Two-way Chucks, 1 Four-way Chuck, 8 Two-way Branch Connections, 7 Spray Nozzles, 8 Stop Nozzles, 6 Copper Boilers, 5 Jack Screws, 1 Ladder for Telegraph Repairs, 9 Beadsteads and Bedding, 175 Chairs, 30 Settees, 9 Mirrors, 12 Stoves, 9 Tables, 3 Bureaus, 14 Horse Blankets, 8 Hoods, 6 Maps of the City, and 3 Copper Goose Necks.

Each Company is furnished with Spanners, Lanterns, Crowbars, Wrenches, Shovels, and all tools necessary for performing their duties.

Implements, suitable for keeping the lines in good order are kept at the Telegraph Room, under charge of the operator.

FIRE ALARM TELEGRAPH.

AUTOMATIC REPEATER WITH BATTERY.

OPERATOR, GEORGE B. WHITNEY.

Battery, - - - Steamer House, Middle Street.

Number of Miles Wire,	-	-	-	-	-	-	-	-	16
" Signal Boxes,	-	-	-	-	-	-	-	-	34
" Small Gongs,	-	-	-	-	-	-	-	-	6
" Large Gongs,	-	-	-	-	-	-	-	-	2
" Strikers,	-	-	-	-	-	-	-	-	6

One small gong is in the Chief's house, one in the house of First Assistant Engineer, and one in each of the houses of Hose Companies 1, 2, 3 and 4. The large gongs are in the steamer houses on Middle and Middlesex Streets.

The strikers are located as follows: Alarm bell, Armory Building, Market Street; St. Mary's Church, Suffolk Street; Franklin School House, Middlesex Street; Court House, Chapel Hill; High Street Church, East Merrimack St.; Varnum School House, Centralville.

The standard time is struck at 1 o'clock, P. M., each day, by J. Raynes & Co., from their jewelry store, No 43 Central Street.

One stroke dismisses, two strokes call out the entire department. Two strokes are struck, and repeated once, on very stormy days, to notify the teachers of the Public Schools that there will be no afternoon session.

SIGNAL BOXES IN WARDS.

Ward One—Numbers 6, 7, 25.

" Two	"	12, 13, 21, 23, 32, 36, 46.
" Three	"	15, 16, 35, 53, 61.
" Four	"	8, 17, 24, 34, 42, 43, 51, 63, 64.
" Five	"	3, 4, 5, 9, 26, 52, 62.
" Six	"	14, 31, 41.

T A B L E

of Signal Boxes and Companies responding to Alarms.

BOX.	LOCATION.	H &L	Steamers.			Hose Companies			
			1	2	3	1	2	3	4
3	Br'dw'y, cor. Mt. V'm'n, Carey & Harris' shop.	1	1H	2H	3		2		
4	Dutton st., building opp. Parker & Cheney's.	1	1H	2	3		2	3	
5	Rock, cor. Fletcher St., Liberty Square.	1	1H	2	3		2	3	
6	Little, cor. Lewis St., Mann School House.	1	1H		3H		2		
7	Market, cor. Dutton St., Plunkett's store.	1	1H		3H		2		4
8	Westford, cor. School St., on pole.	1	1H	2			2		
9	Salem, cor. Common St., on pole.	1	1		3H		2		
12	Market St., Police Station.	1	1H		3H	1			4 5
13	Prescott, cor. Merrimack St., Stevens' block.	1	1H		3H	1			4 5
14	Fayette, cor. Andover St., brick block.	1	1H			1			4
15	Bleachery St., Bleachery stable.	1	1H	2	3H	1		3	
16	Hosford Square, on pole.	1	1H		3	1		3	4
17	Middlesex, cor. Walker St., on pole.	1	1	2			2		
21	Kirk, cor. Merrimack St., Welles block.	1	1H		3H	1			4 5
23	Coburn, cor. River St., on pole.	1	1H		3				4 5
24	South St., Ward Room.	1	1H	2H		1		3	
25	Merrimack St., Tremont House.	1	1H		3H		2		
26	Fletcher, cor. Pawtucket St., on pole.	1	1	2H			2		
31	High, cor. E. Merrimack St., on pole.	1	1H		3H	1			4 5
32	Bridge, cor. Tenth St., on pole.	1	1H		3				5
34	Lincoln St., Cook's Tannery.	1	1H	2			2	3	
35	Charles, cor. Lawrence St., on pole.	1	1H			1		3	4
36	Third, cor. Myrtle St., on pole.	1	1H		3				5
41	Wyman, cor. Nesmith St., on pole.	1	1H		3	1			4
42	Middlesex St., Steamer No. 2's House.	1	1H	2H			2	3	
43	Highland St., Edson Schoolhouse.	1	1H	2		1		3	
46	Bridge St., Central Bridge.	1	1H		3				4 5
51	Davis' Corner, on pole.	1	1H	2	3	1		3	
52	Austin, cor. Moody St., on stable.	1	1		3H		2		
53	Tower's Corner, on pole.	1	1H			1		3	4
61	Lawrence, cor. Agawam St., on pole.	1	1		3H	1		3	4
62	Bowers, cor. School St., on pole.	1	1	2			2		
63	Hale, cor. Howard St., on pole.	1	1	2			2	3	
64	Poor-Farm, on pole.	1	1H	2			2	3	

Numbers marked H, Hose Carriages only respond.

FIRES AND ALARMS FROM APRIL 1ST, 1874, TO MARCH 31ST, 1875.

DATE.	HOUR.	BOX.	LOCATION.	OWNER OR OCCUPANT.	LOSS.	INSUR- ANCE.	REMARKS.
Tu., April 28, 1874.	12.50 A. M.	34	Plain Street.	F. H. Chandler,	\$250		Lamp Black Manuf'y, cause unknown.
Fri., May, 15, "	9.30 "	Still.	Hamilton Corp.	Hamilton Co.,	5,100	5,100	Picker Room, cause friction.
Tu., " 19, "	2 P. M.	1783	Hard, cor. Central Street.	P. Dempsey,	Slight.		Out of city. Incendiary.
Sat., " 30, "	11.10 "	5	Middlesex Village.	J. C. Ayer,	Slight.	10	Bakery. Over heated oven.
Wed., June 3, "	12.50 "	5	Cushing Street.	J. La Mothe,	Slight.		Shoe Store. Cardlessness.
Sun., " 14, "	1.30 "	31	Suffolk Street.	L. Bean,	Slight.		Stove Store. Cause unknown.
Fri., " 26, "	10.10 "	31	37 East Merrimack Street.	M. Mead,	Slight.		Dwelling House. Soot in chimney.
Sun., " 28, "	10.50 "	31	High Street.	T. J. Lyons,	Slight.		
Fri., July, 3, "	10 "	31	Davidson Street.		Slight.		
Thurs., Aug. 13, "	12.30 A. M.	7	Lowell Corp.	Lowell Co.,	7000	4,000	Waste House Wool waste.
" 20, "	1.10 "	63	Highlands.	Samuel Horn,	Slight.		Tallow and Soap Works. Incendiary.
Tu., " 25, "	4.40 "	31	Davidson Street.	Chris. Mooney,	Slight.		Grocery Store. Cigar stump.
Sun., Sept. 20, "	2 P. M.	23	Coburn Street.	A. Viles,	575	575	Stable. Cause unknown — Box struck
Tu., " 22, "	7 A. M.	25	Hanover Street.		Slight.		Bed.
Thurs., " 24, "	3.50 "	25	Tremont Street.	A. C. Wheelock,	Slight.		Cause unknown.
Sun., Oct. 11, "	3.20 "	61	Lawrence Street.	T. Sullivan,	163	113	"
" 16, "	10.50 "	42	Rear Middlesex Street.	Wm. Livingston,	100	100	"
Fri., " 25, "	3.15 "	6	Wamesit Tower Co.	D. Mahoney,	500	500	Shuttle Shop. Spontaneous combustion.
Sun., " 30, "	11 "	34&63	Short Street.		Slight.		Open flue in chimney.
Fri., " 30, "	5.30 A. M.	32	Hildreth Street.	B. F. Jewett,	1,000		2 Barns and 2 Cottages. Cause un-
Tu., Nov. 10, "	11.20 P. M.	23	W. Third Street.	C. A. Parker,	700	550	Shed. Cause unknown. [known.
Fri., " 13, "	6.05 "	53	Union Street.	John Ames,	Slight.		Carpenter Shop.
Mon., " 16, "	6.30 "	5	Dutton Street.	Chas. Cowley,	150	150	Defective flue.
Sun., Dec. 6, "	8 "	5	"	J. Pettigill & Son,	4,000	4,000	Boiler Shop. Incendiary. Sec. al'm given
Sat., " 19, "	8 "	5	"	E. Hills,	2,400	600	Carpenter Shop. Unk'n. box st'k twice.
" 25, "	8 "	5	"	S. Baker,	100		" " " "
Fri., " 25, "	8 "	5	Central Street.	M. Brennan,	Slight.		Clothing.
Fri., Jan. 1, 1875,	7.30 A. M.	16	East Merrimack Street.	W. H. McDaniels,	7,200	7,200	Overheated fireplace.
Sun., Feb. 7, "	12.20 "	21	Shattuck Street.	L. H. Bonner,	Slight.		
Sat., " 13, "	11.15 P. M.	42	Western Ave.	Branch R. R.,			Potato Car. Overheated stove.
Wed., " 24, "	11.50 A. M.	16	Wamesit Street.	J. Nichols,	1,283	1,250	Cause unknown.
" 24, "	11.50 "	16	"	A. Lyman,	468	468	" " "
" 24, "	11.50 "	16	"	T. Fletcher,	20	20	" " "
Mon., March, 1, "	2.30 "	25	Tilden Street.	Jane Bush,	100		Shed. Cause unknown.

Losses, - - - - \$31,319.

Insurance, - - - - \$24,636.

Loss above Insurance, - - - - \$6,683.

T A B L E

showing the number of fires which occurred in each ward,
each month, from April 1, 1874, to March 31, 1875.

Ward	Jan.	Feb.	Mch.	Apr.	May.	June	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1			1						2				3
2		1						1	1		2		5
3					1					2	1	1	5
4		1		1	2			1		2			7
5		1				2				1		2	6
6	1					2	1	1					5
Total.	1	3	1	1	3	4	1	3	3	5	3	3	31

The following table shows the number of fires which occurred on each
day of the week, from April 1, 1874, to March 31, 1875.

Day of Week.	Jan.	Feb.	Mch.	Apr.	May.	June	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Sun.		1				2			1	3		1	8
Mon.			1								1		2
Tues.				1	1			1	1		1		5
Wed.		1				1							2
Thurs.								2	1				3
Fri.	1				1	1	1			2	1	1	8
Sat.		1			1							1	3
Total.	1	3	1	1	3	4	1	3	3	5	3	3	31

R E S E R V O I R S .

- 1 on Tyler, corner George Street.
- 1 on Chestnut, corner Willow Street.
- 1 on Salem, intersection Willie Ave.
- 1 on Cross, between Fletcher and Willie Streets.
- 1 on Central Street, Hosford Square.
- 1 on Myrtle, at head of Fifth Street.
- 1 on Union, corner of Chapel Street.
- 1 on Westford, cor. of Grand Street.
- 1 on Fourth, near Read Street.
- 1 on Chapel, corner of Keene Street.
- 1 on Varney, near Mt. Vernon Street.
- 1 on Branch, corner Queen Street.
- 1 on Middlesex, corner Wilder Street.
- 1 on Bridge, corner Seventh Street.
- 1 on Howard, corner Hale Street.
- 1 on Forest Street, new, capacity 20,000 gallons.
- 3 openings into Canal on Moody Street.

HYDRANTS BY STREETS.

Ward No.	LOCATION.	Post.	Old Flush.	New Flush	Ward No.	LOCATION.	Post.	Old Flush.	New Flush
5	Adams street,	4	6		6	Fairmount street,			1
3	Agawam street,			4	3	Faulkner street,			1
3	Ames street,			1	6	Fayette street,			4
6	Andover street,			7	5	Fenwick street,			2
2	Anne street,			3	2	Fifth street,			2
4	Appleton street,			4	2	First street,			4
5	Arlington street,			1	5	Fletcher street,			7
6	Ash street,			1	5	Ford street,			2
6	Bartlett street,			2	2	Fourth street,			2
3	Bleachery streets,			8	5	Franklin street,			1
5	Bowers street,			1	2	French street,	4		
4	Branch street,		3	6	4	Gates street,			1
2	Bridge street,	3		8	3	George street,			1
5	Broadway,		6	4	3	Gorham street,			2
5	Butterfield street,			2	4	Gorham street,	4		8
5	Cabot street,	3	1		4	Grand street,			2
3	Cady street,			1	4	Grove street,			2
4	Cambridge street,			1	4	Hale street,			3
3	Carter street,			2	6	Harrison street,			1
3	Cedar street,			2	6	High street,			5
2	Central street,		2		4	Highland street,			2
3	Central street,		11	7	2	Hildreth street,			1
3	Chapel street,			6	4	Howard street,			6
3	Charles street,			3	6	Howe street,			2
6	Chestnut street,			2	3	Hurd street,			2
3	Church street,			4	5	James street,			1
5	Clark street,			1	2	John street,			1
6	Clay street,			2	3	Kidder street,			1
5	City Stable Yard,		1		3	Kinsman street,			1
2	Coburn street.			2	2	Kirk street,	4		
5	Common street,			4	4	Lane street,			2
4	Coral street,			2	3	Lawrence street,			7
3	Crosby street,			3	2	Lee street,			1
5	Cross street,			6	1	Lewis street.			2
5	Cushing street,	6			4	Liberty street,			5
6	Davidson street,			2	4	Lincoln street,			8
5	Dodge street,			1	3	Linden street,			3
4	Dover street,			3	1	Little street,			1
1	Dummer street,			1	4	Madison street,			1
2	Durant street,			2	6	Mansur street,			1
5	Dutton street,		1	1	2	Market street,			3
2	Eleventh street,			1	1	Market street,			3
3	Elm street.			3	5	Market street,			1
6	East Merrimack street			4	4	Marshall street,			2
4	East Pine street,			2	3	Mead street,			1

HYDRANTS—CONTINUED.

Ward No.	LOCATION.	Post.	Old Flush.	New Flush	Ward No.	LOCATION.	Post.	Old Flush.	New Flush
2	Merrimack street,		6	1	5	Suffolk street,			4
1	Merrimack street,	3	3	1	4	Summer street,			6
5	Merrimack street,	1	1	3	2	Tenth street,			3
2	Methuen street,			3	2	Third street,			6
2	Middle street,	1		5	4	Thorndike street,			6
4	Middlesex street,		14	11	1	Tilden street,			1
5	Moody street,			6	1	Tremont street,			1
3	Moore street,			6	3	Tyler street,			3
5	Mt. Vernon street,			2	3	Union street,			1
5	Mt. Washington street			2	5	Varney street,			3
2	Myrtle street,			3	2	Vernon street,			2
6	Nesmith street,			8	4	Walker street,			4
3	Newhall street,			2	5	Walker street,			5
3	North street,			2	3	Walnut street,			2
6	Oak street,			1	3	Wamesit street,			2
2	Paige street,			1	3	Wamesit Power Co.,			1
6	Park street,			1	5	Wanalancit street,			2
5	Pawtucket street,			10	6	Water street,			3
6	Pleasant street.			1	3	Watson street,			1
2	Prescott street,			1	5	Western Avenue.	1		
3	Prospect street,			1	4	Westford street,			5
4	Queen street,			1	2	West Fourth street,			2
4	Railroad street,			2	2	West Fifth street.			1
2	River street,			6	2	West Sixth street,			4
5	Rock street,			2	4	West Union,			1
5	Salem street,			4	3	Whipple street,			1
5	School street,			6	5	Wilder street,			2
4	School street,			2	4	Wilder street,			3
2	Second street,			1	3	William street,			1
2	Seventh street,			1	5	Willie street,			2
2	Simpson street,			1	4	Winter street,			1
2	Sixth street,			4	1	Worthen street,			2
4	Smith street,			3	2	Corporation Line,			5
4	South street,			3	1	Corporation Line,			12
4	South Highland street,			1	5	Corporation Line,			7
6	Stackpole street,			3					

SUMMARY BY WARDS.

Ward One,.....	30	Ward Four,.....	130
Ward Two,.....	94	Ward Five,.....	125
Ward Three,.....	104	Ward Six,.....	51

Total Number of Hydrants in use, 534

Number of Post Hydrants,	-	-	-	-	33
“ Old Flush Hydrants,	-	-	-	-	56
“ New Flush Hydrants,	-	-	-	-	445

Total, - - - - - 534

SECOND ANNUAL REPORT
OF
THE WATER BOARD
OF THE CITY OF LOWELL
TO THE CITY COUNCIL,

MADE JANUARY 1, 1875.

PRINTED BY ORDER OF THE CITY COUNCIL.



LOWELL, MASS.:
HUNT BROTHERS, SUCCESSORS TO PENHALLOW, BOOK AND JOB PRINTERS.
1875

CITY OF LOWELL.

IN COMMON COUNCIL, January 12, 1875.

Read, and sent to the Board of Aldermen.

DAVID CHASE, *Clerk*.

IN BOARD OF ALDERMEN, January 12, 1875.

Received and read.

SAMUEL A. MCPHETRES, *City Clerk*.

REPORT

OF THE

LOWELL WATER BOARD.

OFFICE OF THE LOWELL WATER BOARD,
January 1, 1875.

To the City Council of the City of Lowell:

The Lowell Water Board respectfully submit this, their second annual report, for the year 1874.

On the fourth day of May, the following named persons met for organization as the Lowell Water Board: Messrs. N. C. Sanborn, N. W. Frye and G. W. S. Hurd, the former having been elected from the Board of Aldermen, and the latter two from the Common Council, in January; and Messrs. Levi Sprague and W. F. Salmon, who were elected by the City Council from the citizens at large, the former in 1873 for a term of two years, and the latter in 1874 for a like term. They organized by the choice of Levi Sprague as President, and F. H. Spalding as Clerk. F. E. French was chosen Clerk of the Board, October 29, to fill the vacancy occasioned by the death of F. H. Spalding.

Applications have continued to be received, and extensions of main pipe have been made to accommodate those applicants who were not situated so as to draw a supply from lines already laid. The Board, however, have gener-

ally made no extensions, except when an immediate income could be derived from the use of water. There has been an increase during the year of 2,503 takers, and, as will be seen by the report of the Superintendent, there have been 952 services put in during the same time. These have been secured in a large degree by extensions into unsupplied districts.

The most important extension made was that of twenty-inch pipe to supply the manufacturing corporations along the line of Merrimack river. The corporations desired this line for protection against fire and to supply water for domestic purposes in their tenements and boarding-houses. The cost to December 31 was about \$36,750.00.

The following contracts have been made during the year, viz.:

With Jesse W. Starr & Sons, for 650 tons cast-iron pipes, at \$46.50 per long ton, and 85 tons special castings, at \$74.80 per long ton, delivered in Lowell.

With O. A. Simpson, for building Reservoir street, at 24 cents per cubic yard for all earth work, and \$3.00 per cubic yard for all stone work.

With Halladay & Vreeland, for laying pipe for the corporation line, which is not yet closed. There has been paid on this contract \$6,260.39.

An agreement was made with Jesse W. Starr & Sons, to furnish 60 tons of six-inch pipe for \$46.50 per long ton, and \$74.80 per long ton for necessary specials, delivered in Lowell.

Of the contracts made by the Water Commissioners, Contract No. 10, made with Henry G. Morris for pumping engine and boilers, was the only one remaining unclosed at the beginning of the year. In November, the final instal-

ment was paid, less \$100 withheld to secure the city in the matter of claim of Lafayette Huntoon, of Natick, regarding an infringement of patent

J. P. Roberts was appointed, October 2, to take charge of the engine, it having been accepted by the Board. He has performed his duties satisfactorily and efficiently.

The works have remained in excellent condition and it has cost but little to keep them in repair.

There have been eight claims for damages settled, to wit:

Brick Supply Conduit (tunnel)—Isaac Holden, J. Crowley.

Pipe Conduit—Charles Kenney.

Wells—P. Cummiskey, George W. Coburn.

Reservoir—B. Cavanaugh, Michael McGlynn; the latter sustained damage through cutting off Sixth street, but another street was laid out by the City Council and he was paid from Water Works Account for land taken for said street; Mrs. R. C. French for damages caused by a defect in Middlesex street.

The parties not yet settled with are as follows:

Filtering Gallery—Samuel Fay, Proprietors of Locks and Canals on Merrimack River.

Brick Supply Conduit—Eliza D. Blood, Alfred Brown, G. L. Willard, Charles Bodwell heirs.

Pipe Conduit—Proprietors of Locks and Canals on Merrimack River, Henry Emery, Fisher A. Hildreth heirs.

Distributing Main—Proprietors of Locks and Canals on Merrimack River, J. B. French. J. B. French has carried his claim before the County Commissioners, but their decision has not yet been made public.

Wells—John J. Colton, Atkinson C. Varnum, Abner H. Marshall, Peter S. Coburn, West Dracut Congregational Society, John

F. Tabor. The first four claims were referred from the City Council, December 22, 1874, and all have been made recently. It is claimed that these wells are drained by the brick supply conduit, although they are not directly on the line of it.

Following is a statement of the cost of the Water Works to January 1, 1875:

Net cost to January 1, 1874,	\$1,542,630 88
Expenditures for the year ending December 31, 1874:	
Bills payable,	\$127,507 24
Executions,	57 26
Superintendent Public Buildings' bills,	27 13
	<hr/>
	\$128,105 63
Interest,	\$93,660 00
Discount on bonds,	11,605 00
	<hr/>
	\$105,265 00
	<hr/>
	\$233,370 63
	<hr/>
	\$1,776,001 51

Credit.

Total of receipts for service	
pipes, use of water, etc.,	\$77,195 35
Accrued interest on bonds,	2,878 30
Fees for shutting off and letting on water,	302 00
B. Crowley, overdraft,	150 00
H. G. Morris, amount withheld,	100 00
	<hr/>
	\$80,625 65
	<hr/>
Net cost to January 1, 1875,	<u>\$1,695,375 86</u>

Heretofore the Water Board have carried on the entire business of the works, making such expenditures as in their judgment were needed, and approving the bills therefor, and though, by the ordinance passed July 11, 1872, establishing the Board, they had no power to expend money not

appropriated, the different City Councils have always met the growing wants and calls of the Board and made the needed appropriations. The City Council of 1874 passed the following Resolution, November 24, entitled a "Resolution fixing a time for closing the Construction Account for the Lowell Water Works:"

"Resolved, By the Mayor, Aldermen and Common Council of the City of Lowell, in City Council assembled, as follows: That the Construction Account of the Lowell Water Works shall be closed on the first day of December, 1874, and that after that date the Committee on Accounts shall not pass nor vouch any bills, payable from or chargeable to the Account of Water Works, unless there shall be a balance remaining to the credit of the Water Works, or unless the means of paying the same shall be provided by the City Council."

And, on December 31, the Council adopted the following report of Committee:

To the City Council:

The Joint Special Committee of the City Council, to whom was referred, by an order, the matter of expediency of making changes in the Ordinance relating to the Water Board, have attended to the business committed to them, and report:

"That an ordinance now pending before the City Council relating to the Committee on Appropriations, is likely to bring within the control of the City Council the expenditures on account of Water Works, by making an annual appropriation for the same; they recommend that no further action be taken."

By this action the powers of the Board might seem to be somewhat limited in the future, but really there is no change from the ordinance first passed, except in placing a member of the Board upon the Appropriation Committee, which is an excellent move. The Board never had authority to expend money not regularly appropriated, and never attempted to exercise any such authority.

If the resolution closing the construction account means, as is claimed by many, that hereafter all charges, above receipts, whether of extension of pipes or whatever purpose, shall be paid for by assessment and taxation in the year that the expenditure is made, we cannot help feeling that a mistake has been made and that future city governments may be called upon to express somewhat different sentiments. We suggest that if the liberal policy in regard to extensions of pipe and improvements heretofore pursued is followed, the expense will be considered too large to assess; and, if an economical or stinted policy is adopted, the income from water rates will not meet the ideas of those progressive ones who want to have the works on a paying basis at an early day. Either course may lead to trouble, and we have faith that the good sense of the City Council will lead them to carefully consider the very important question of how much the tax payers who have already taken water shall pay toward the extensions into new districts not now supplied. The following statistics and suggestions may be of service:

As has been heretofore stated, the total net cost of	
works to December 31, 1874, is \$1,695,375.86, of	
which amount there has been paid for interest,	\$262,140 00
For discount on bonds sold,	33,796 25
Making a total for discount and interest of	<u>\$295,936 25</u>

Of the city debt there is now charged to Water Works account:

Bonds,	\$1,300,000 bearing interest at 6 per cent.	\$78,000 00
Note,	100,000 " " " 6 ⁶ / ₁₀ " "	6,600 00
<u>Car'd forw'd \$1,400,000</u>		<u>\$84,600 00</u>

<i>Bro't forw'd</i> , \$1,400,000							\$84,600 00
Note,	100,000	bearing interest at	6½	per cent.			6,500 00
Note,	200,000	"	"	"	6	"	12,000 00
Note,	50,000	"	"	"	6½	"	3,250 00
<hr/>							<hr/>
Total int. on	\$1,750,000	at average rate of	6 ⁷⁷ / ₁₀₀₀	"	"		\$106,350 00

The actual cost of furnishing water during the year 1874, exclusive of laying service pipe, as nearly as can be ascertained, was \$18,051.73, which amount includes cost of fuel, salaries, office rent and incidental expenses.

The engine was run but 244 days during the year, and pumped an average of about 1,180,000 gallons per day. With the increased demand and the prospective use of water in 1875 the cost of fuel will probably be about \$1,000 more, making the estimated cost of furnishing water for 1875 about \$19,000.00, as the salaries and other expenses ought not to be any higher.

The amount charged for water rates in 1874 was \$69,307.39. The estimated income from distribution pipes already laid can hardly be less than \$90,000, and if the demand for extensions is made and met, as has been the case in 1873 and 1874, it ought to reach \$100,000 at least. Calling the income but \$90,000, the deficit or difference between the revenue from water rates and interest, and running expenses for 1875 will be about \$35,000, which amount, if met by taxation, would probably prove but a slight burden.

But there are other and more important matters, involving large expenditures, to which the earnest and careful attention of the City Council for 1875 is solicited.

First. The extension of street mains and service pipes.

Of the whole cost of the works to the present time, about \$650,000 has been expended for pipes and pipe laying from the river crossing at Alder street through the city, and it is from a continuation of this expense, in a great measure, that increased income is to be derived. The interest on an expenditure of over \$1,000,000, for getting the water ready to distribute, stands against the city, whether the consumption of water be 1,000,000 or 5,000,000 gallons per day; the general expenses of distributing water remain nearly the same, as has been shown, whether the quantity consumed be 1,000,000 or 2,000,000 gallons per day; hence, the importance of reaching a large consumption at the earliest possible time. The cost of extensions and service pipe laying in 1874, independent of the new main for the corporations, was, in round figures, \$60,000, and the increase of water rates was \$30,138.75; only a portion of this increase, say \$10,500, was due to said extensions, etc. With this showing, the need of vigor in pushing the work of extension is made quite clear.

Second. The filter gallery.

The feeling in favor of filtered water is very strong throughout the city, and probably many persons have taken water who would have hesitated about using directly from the river. If the demand for filtered water continues, the matter of extension of the gallery must have early attention. By reference to the Engineers' Report, forming a part of the final report of the Water Commissioners made to the Joint Standing Committee of the City Council on Water Works in 1873, we read as follows:

“ The filtering gallery was substituted for settling basins and artificial filters, and was not intended to be used as the principal source of supply, but only during times of freshet, when the water in the river contains a considerable amount of matter in suspension. When the water is clear, it is to be taken from the river through the inlet pipe.”

The present use of water taxes the gallery *to its utmost capacity*, and we offer the suggestion that an extension may be very soon demanded.

Third. Reserve power in pumping station.

As is generally well known from previous reports, the capacity of the present engine is 5,000,000 gallons per day of twenty-four hours, and though the present use of water calls for considerably less than one-half the working power of the engine, the day is near at hand when twelve hours duty will be required of the engine every day.

Although our engine is an excellent one, and ought to do faithful service for a great many years, we cannot help the feeling that it is hardly safe to place our citizens entirely at the mercy of one machine, which may, even with the best of care, break down and create a water famine or panic. It seems prudent to avert, so far as possible, the chance for such an occurrence, therefore, we offer the suggestion that the purchase of a new engine, as a reserve in case of damage to the one now in use, would meet the views and calm the fears of some of our best business men.

The water rates in general are satisfactory, both to the Board and the consumers, and, with the exception of the charge for hose, should remain about as now, until the con-

sumption reaches a full day's work of twelve hours for the engine, when our actual condition as to cost and income can be better determined. If our rates are eventually fixed so as to pay expenses and seven per cent. interest (while paying an average interest of $6\frac{77}{1000}$ per cent.), the water consumed by this one per cent. additional would easily pay the whole cost of the works within about thirty-five years, and we believe at rates that need be but very little, if any, higher than now. Under these circumstances, we venture the suggestion that there need be no great haste about closing the work of extension, or providing by taxation for the cost of extensions, or for a sinking fund particularly applicable to the water debt when, as just shown, a sinking fund can without doubt be soon started from water rates. We present these matters strongly, because the water works have been thus far conducted *without any taxation of property*, and we have full faith in making them not only self-sustaining, but an excellent source of revenue to the city if judiciously managed.

A summary of the work done, and of the condition of the works, together with our suggestions concerning them, have been presented in this report; you are respectfully referred to the accompanying reports of the Engineer and Superintendent for further information.

The death of the Clerk of the Board occurred October 25, 1874. At a meeting, held October 29, the following resolutions were presented by Mr. Salmon, who was appointed a committee to prepare them:

WHEREAS, Our Clerk, F. H. Spalding, has been removed by death from his sphere of usefulness below;

Resolved, That we will cherish his memory as one who, by faithful service and gentlemanly deportment, endeared himself to all with whom he was officially connected.

They were adopted, and ordered to be entered upon the records of the Board.

The Board desire to acknowledge the faithfulness and successful performance of duty of all engaged upon the works.

Respectfully submitted,

LEVI SPRAGUE,
W. F. SALMON,
N. C. SANBORN,
NATHAN W. FRYE,
G. W. S. HURD,
Lowell Water Board.

ENGINEER'S REPORT.

OFFICE OF CITY ENGINEER,
Lowell, Jan. 1, 1875.

To the Lowell Water Board:

GENTLEMEN:—The following report will give the condition of that portion of the works, which I have examined, up to the present time.

FILTERING GALLERY.

December 24th, the water was partly drawn from the gallery, and the interior was carefully examined. The masonry appears to be in perfect condition, and shows no indication of settlement. The brick arching and side walls are water-tight.

More springs were discovered this time than were seen last year. Only one spring made its appearance, near the centre; the others came in along the sides, at the bottom. There is a small deposit of fine sand where the springs make their appearance, but not in sufficient quantities to require removal. The gallery has not been cleaned out since its completion, and the bottom is free from deposit.

The average daily consumption of water for the year has been about 780,000 gallons. If it is the intention not to draw any water from the river, and, as the number of

water takers is largely increasing each year, some provision must be made soon to increase the length of the gallery, or to extend small galleries from the present gallery toward the river. In making an extension, the size need not be as large as the present gallery, thereby diminishing its cost, and, in all probability, without injuring the supply. It was not the original design to make the gallery the only source of supply, as will be seen by this extract from the report of Joseph P. Davis, Chief Engineer, to the Water Commissioners, December 12, 1870:

“If a gallery be used as a substitute for settling basins and artificial filters to obtain pure water during times of freshet, there appears to be no reason why it should not give satisfactory results; but, as it will not be advisable, on account of cost, to build a sufficient length of gallery to furnish a full supply during extreme low stages of water, a pipe should be extended into the river, that the deficiency may be made good by direct draft upon the river water, which, at such times, is clear and acceptable.”

BRICK SUPPLY CONDUIT.

The water was drawn from the conduit, December 26, for the purpose of examination. The masonry throughout the whole length was found in good condition, and has generally remained unchanged since last year's examination. A few slight cracks were discovered in the top of the conduit, which are located as follows: Between station 16--25 and 16--50, between station 16--85 and 17--90, between station 18--10 and 18--37, and between station 19--56 and 19--97. These cracks vary in width from $\frac{1}{16}$ to $\frac{3}{16}$ of an inch.

The tunnel remains in good condition, and the unlined portions appear firm and sound. The brick lining remains unchanged, and shows no signs of settlement.

IRON PIPE CONDUIT.

The iron pipe conduit has required no repairs since it was laid, and is in good order.

The syphon under Beaver Brook has not required cleaning out this year.

ENGINE BUILDINGS.

It has not been necessary to repair the buildings this year. The grounds have been improved by laying concrete walks from the street to the buildings.

PUMPING ENGINE.

The engine has performed its work very satisfactory during the year. The crack which was discovered, a year ago last November, in the pump, has since given trouble, and that section of the pump has been replaced by another casting, which was furnished by Henry G. Morris, Esq., contractor for the engine, and set in place during the last week in September. At this time the engine was idle seven days. Soon after starting the engine it was discovered that the funnel-shaped pipe at the bottom of the air-chamber was cracked near the lower flange. This has been replaced by Mr. Morris. The accident was caused by the water-hammer when starting and stopping the engine. The pipe is now securely bolted to the bed-plate and braced against the foundation, so that the re-occurrence need not be feared. During the time required to make these repairs, the donkey pumps were run day and night and delivered water into the city pipes.

A number of small, but quite important, changes have been made about the engine and boilers by Mr. James

P. Roberts, the gentleman in charge of the engine. An abstract of the work done with the engine during the year is given in the following tabular statement:

TABLE

SHOWING WORK DONE WITH ENGINE AND BOILERS FOR EACH MONTH DURING THE YEAR 1874.

MONTH.	Days.	Av. No. of hours pumping per day.		Number of hours pumping per month.		Number of str'kes made per month.	Av. No. of str'kes per min.	Av. head, including friction, in feet.	Quant'y pumped per month in U. S. gallons.*	Av'g quantity pumped per day in U. S. gallons.*	Duty per 100 lbs. Coal per month.*
		H.	M.	H.	M.						
January,	19	7—24		140—45		73,306	8.562	159.90	22,414,860	117,929	100,313,940
February,	14	7—24		105—00		54,271	8.614	159.70	16,824,010	1,201,715	104,969,036
March,	18	7—11		129—20		67,232	8.664	159.90	20,841,920	1,157,884	104,248,400
April,	15	7—06		105—35		57,416	9.063	159.90	17,798,960	1,186,597	101,917,180
May,	15	8—23		125—45		67,097	8.893	159.98	20,800,070	1,386,671	99,605,000
June,	25	7—32		188—15		90,124	7.979	161.80	27,938,440	1,117,537	98,179,250
July,	30	7—31		220—25		92,224	6.973	162.29	28,589,440	952,981	99,250,360
August,	31	7—14		224—25		93,986	6.980	162.29	29,135,660	939,860	99,847,230
September,	21	8—31		178—50		83,039	7.739	162.66	25,742,090	1,225,813	94,400,780
October,	19	9—34		181—55		89,471	8.197	162.71	27,736,010	1,459,790	91,603,890
November,	16	8—12		131—15		68,070	8.644	162.85	21,101,700	1,318,856	92,612,000
December,	21	8—21		175—25		93,993	8.930	162.91	29,137,830	1,387,515	94,026,130
Totals and averages,	244	7—49		1,906—55		929,229	8.121	161.407	288,060,990	1,180,577	98,414,433

*After deducting 4 per cent. for loss of action in pump.

TABLE

SHOWING THE AMOUNT OF COAL, ETC., USED AT PUMPING STATION FOR EACH MONTH DURING THE YEAR 1874.

MONTH.	COAL CONSUMED.				Wood for st't'g fires, in cords.	Ashes and clinkers taken from furnaces, in lbs.	Oil used in gallons.	Tallow used, in lbs.
	For starting fires, in lbs.	When pumping, in lbs.	For banking fires, in lbs.	Total coal consumed.				
January, . . .	12,100	29,971	10,348	52,239	2	7,037	18 $\frac{1}{4}$	24
February, . . .	8,400	21,342	11,746	41,488	2	5,189	13 $\frac{1}{4}$	19
March, . . .	11,200	26,655	11,419	49,274	2	6,408	16	23
April, . . .	9,000	23,251	12,102	44,353	2	5,348	12 $\frac{1}{4}$	19
May, . . .	9,000	27,843	10,286	47,129	2	6,649	13	16
June, . . .	15,000	38,372	7,645	61,017	2	8,903	17 $\frac{1}{2}$	32
July, . . .	18,000	38,960	7,050	64,010	2	10,621	20 $\frac{1}{4}$	38
August, . . .	18,600	39,467	7,485	65,552	2	9,999	22 $\frac{1}{2}$	39
September, . . .	12,400	36,966	9,393	58,759	2	8,404	12	20
October, . . .	10,200	41,058	9,374	60,632	2	7,500	10	18
November, . . .	9,600	31,644	11,505	52,749	2	6,100	11	16
December, . . .	12,600	42,074	10,127	64,801	2	7,310	13	20
Totals, . . .	146,100	397,423	118,480	662,003	24	89,468	179	284

PUMPING STATION.

Running expenses for the year 1874:

Salaries of engineer and firemen,	\$2,567 47
Gas for lighting works, , .	13 76
331 tons (2,000 lbs.) of coal consumed, at 7.853, .	2,599 34
24 cords of wood consumed, at 7.00,	168 00
179 gallons of oil used,	160 68
284 lbs. of tallow used,	26 38
Packing (hemp and rubber),	85 03
Waste,	15 58
Small stores,	9 69
Tools,	34 01
Repairs on engine,	340 15
“ “ boilers.	102 38
	<hr/>
	\$6,122 47
	<hr/>

Cost of raising water into reservoir, per million gallons, after deducting cost of tools and repairs, .	\$19 60
Cost of raising water, per million gallons, one foot high,	12 $\frac{1}{10}$

The cost of the coal in the above table includes all the coal used during the year for all purposes.

The cost of raising a million gallons of water into the reservoir is considerably more than it would have been if the engine had run more days or more hours during the day.

This year, the time of pumping has been nearly double that of last year, and the cost of raising a million gallons has been reduced one-third. As the number of gallons pumped increases, the cost per million gallons will decrease.

The same boilers that are used for running the engine furnish steam for heating the engine-room and cylinder jackets, and also furnish steam for running the donkey pump. In calculating the duty, no deduction has been made for heating, etc., or for ashes and cinders.

FORCE MAIN.

The force main has required no repairing during the past year. The piers which support the pipe in the cellar have been enlarged so as to give a larger bearing surface for the pipe.

RESERVOIR.

The embankments retain their original shape, and are in good condition. No leaks have been discovered, although the average depth of water for the year has been greater than during 1873. The grass has grown well on the outer slopes and formed a heavy sod, which protects them from being washed.

No repairs have been necessary, except pinning up the slope paving, which was mentioned in last year's report.

The following table shows the average depth of water, the number of gallons and the temperature of the water in the reservoir; and also the temperature of the air for each month in the year. The temperature of the water was taken at 6 A. M. and 6 P. M., and the air at 6 A. M., 1 P. M. and 6 P. M.:

1874.	Depth in feet.	Quant'y in U. S. gal'ns.	TEMPERATURE	
			Of water.	Of air.
January, . . .	18.83	28,631,900	36.4°	24.9°
February, . . .	18.79	28,548,500	37 9°	23.7°
March, . . .	18.41	27,925,300	38.2°	31.9°
April, . . .	18.39	27,892,000	41.9°	36.3°
May, . . .	18.43	27,952,900	53.5°	57.1°
June, . . .	18.58	28,195,000	65.3°	67.0°
July, . . .	17.62	26,618,800	70.7°	72.1°
August, . . .	17.75	26,826,100	68.0°	66.3°
September, . . .	18.01	27,255,600	64.3°	61.9°
October, . . .	19.03	28,942,500	55.8°	49.6°
November, . . .	19.62	29,943,900	46.6°	36.6°
December, . . .	19.51	29,753,300	29.9°	26.9°

PIPE DISTRIBUTION.

In addition to the pipe laid by the Superintendent, a contract was made with Halladay and Vreeland, of Jersey City, N. J., in August, and work was commenced September 21.

A twenty-inch pipe has been laid in Canal street, starting from the twenty-four-inch pipe in East Merrimack, thence through Amory, Kirk and French streets, and passing under the Merrimack canal to Dutton street, thence through the private streets adjacent to the Merrimack Mills and Print Works to Tilden street, thence through a back street to Tremont street, and in Tremont and Hall streets to Cabot street, thence in Cabot street to Ford street. The pipe passes under the Western canal at Hall street, and under the Northern canal at Cabot street. The latter crossing was laid by the city while laying the thirty-six-inch

sewer pipe. From the twenty-inch pipe a sixteen-inch pipe has been laid in Worthen street connecting with the twelve-inch pipe in Merrimack street. A short piece of the twelve-inch pipe in Merrimack street was taken up and replaced by sixteen-inch pipe, thus making a continuous line of sixteen-inch pipe to the twenty-four-inch pipe in Prescott street. At each of the corporation mill yards a twelve-inch branch and gate has been placed, which has been connected by the Locks and Canals Company with their water pipes, so as to give them better protection against a large conflagration.

From the twenty-inch pipe a six-inch pipe has been laid in Dutton street, nearly to Merrimack street, and in Hall street an eight-inch pipe has been laid to Aiken street, and from this pipe four-inch pipes have been laid in Coolidge and Aiken streets to Cheever street.

In connection with these pipes, there have been twenty-four stop gates and twenty-four hydrants set, and one old hydrant replaced by one of the old pattern.

It being so late in the season, the connection of the six and eight-inch pipes in Ford and Cabot streets with the twenty-inch pipe was omitted, but this connection should be made next season.

The pipe system in this vicinity would be much improved by extending the twenty-inch pipe to Moody street and then connecting it by a twelve-inch pipe in Cabot street with the pipe in Merrimack street, as the water supply would be largely increased if it was needed during a large fire.

The last pipe on this contract was laid January 1, 1875, and water was let into the whole line the following day, and up to this time (Jan 9th), not a leak has been discovered. Some delay was caused in Cabot street, where the pipe crosses the sewer trench, on account of waiting for the sewer to be laid.

Respectfully submitted,

GEO. E. EVANS,
Engineer.

SUPERINTENDENT'S REPORT.

To the Lowell Water Board:

GENTLEMEN:—I respectfully submit my second annual report, as required by the city ordinance, showing the amount of work done under my charge for the year 1874, commencing January 1, ending December 31, 1874.

Work was continued through the winter upon three-quarters time in streets where there was little but ledge to be met with, and could be done as easily as in summer. Early in the spring, applications began to come in and continued to do so until the present time. The number of services put in are 952, which, added to those previously put in, make 3,228, giving 6,938 takers. The amount of service pipe laid, 34,424 feet of three-quarter; 5,085 feet of inch, making 39,509 feet, or nearly seven and a half miles. To this add pipe laid last year, and we have 134,178 feet, or nearly twenty-five and a half miles of service pipe. There have been laid the past year, in connection with the service pipe:

745 feet of	1½ inch;	425 feet of	2 inch.
2,714	“ “ 4 “	17,723	“ “ 6 “
4,077	“ “ 8 “	638	“ “ 12 “
54	“ “ 16 “		

Making in all 26,376 feet, or nearly five miles; which add to pipe laid previous to 1874 would make 211,176 feet, or nearly forty miles of mains. To this amount of mains the

proportionate number of hydrants have been put, thus giving further security in case of fire. New hydrants have been put on lines laid previous to 1874, as follows:

One corner Worthen and Merrimack streets, in place of old post hydrant.

One corner Middle and Central streets.

One on John street, near Merrimack.

The number of hydrants put in for the year 1874 are seventy-one.

The new hydrant at the corner of Central and Middle streets is a very important one, as before this was put in when water was shut off Merrimack street, between Bridge and Anne streets, Central street line was also shut off from the Post Office to Market street, making useless the old post hydrant at the corner of Middle and Central streets. But now, in the same case, we get water through the Middle street line to the new hydrant on the opposite corner of Middle and Central streets. With this hydrant, and the new one put in on John street, near Merrimack, gives seven hydrants, all within 450 feet of the Post Office. At the same time this hydrant was put at the corner of Middle and Central streets, connection was made with Central and Middle streets connecting the old line with the new. And in case we should want to shut off at Bridge and Anne streets, at the same time on the twelve-inch line in Merrimack street, we could still feed into Merrimack street from Middle, and keep water in Merrimack street from Bridge to Anne street.

There are two other important connections that have been made this year (1874.) One is the canal crossing at

Pawtucket canal, Broadway. This was made by trussing across the canal, making no attachment to the bridge, thus relieving the pipe from any motion that might occur. The pipe was laid on the truss with an elevation to the centre of the bridge, with draw off cocks at both sides. Also eight-inch gates on each side that, in case of danger of freezing, the gates could be closed, the draw off cocks opened, and the water all taken from the pipe. Previous to this connection being made, all the western part of the city were dependent upon the Middlesex line (cement); but now a six-inch line feeds across Walker and Wilder streets into the eight-inch line (iron) on Middlesex street.

The other important connection is at Lincoln square. Here, Liberty, Hale and Lincoln streets were connected, which gives another feeder to the western part of the city, coming through Howard street from Middlesex street line.

The two twelve-inch gates put in on Middlesex street line at Thorndike, and the one put in on the Fletcher street line, with the one already in on Thorndike, give control of the water in that vicinity in case of any trouble that might occur, so that the Boston and Lowell Railroad could be supplied, which is important, as they are large takers and depend entirely upon the works for their supply.

Connections made are as follows:

Central with Middle.
Dover with Branch.
Fletcher with Thorndike.
Walker with Pawtucket.
Merrimack with Tilden.
Branch with Walker.

Grove with School.
Walker with Middlesex.
Liberty with Hale and Lincoln.
Merrimack street twenty-four
inch line with Prescott Cor-
poration.

Also connected the sixteen-inch line on Broadway at Fletcher street with the ten-inch cement line, and at the same time put in sixteen inch gate at the place.

Gates put in on lines laid previous to 1874 :

Two twelve-inch at Middlesex and Thorndike.

One " " on Bridge, near Sixth.

 " " " East Merrimack, opposite Prescott Corporation.

One six-inch at Grove and School.

 " " " on Queen, at Branch.

 " " " Wilder, at Westford.

 " " " Nichols, at Branch.

Last spring there was a very large wash-out over the supply main coming down the hill in Centralville from Durant street. It has been repaired, and I think will stand the coming out of the frost in the spring. This work was done by putting in a heavy stone wall, laid in cement, at the point where the pipe crosses the road, about half way down the hill. A tile drain was put in on the line and near the pipe bottom, running up the hill as far as the earth had given away, with an outlet at the wall spoken of, and thus conveyed the water across the road into the river that came from the hill and found its way into the pipe trench.

The six-inch main on Suffolk street has been broken twice, once by settling of sewer and again by blasting for sewer. The twelve-inch main on Merrimack street was also broken by blasting for a sewer. These breaks were all promptly repaired, and with little inconvenience to those on the lines where they occurred. The number of leaks in mains have been seventeen, two of which were split pipe, two in bells, and the rest in joints, all of which were in contract work except two.

The gallery, conduit, tunnel and reservoir have been examined by Engineer Evans and myself, and found to be in good condition. For further particulars I refer you to the Engineer's Report.

The average daily consumption of water has been:

January, . . . 633,810 gallons.	July, . . . 977,360 gallons.
February, . . . 667,770 "	August, . . . 895,820 "
March, . . . 638,840 "	September, . . . 880,880 "
April, . . . 609,470 "	October, . . . 760,560 "
May, . . . 708,760 "	November, . . . 750,060 "
June, . . . 919,830 "	December, . . . 890,220 "

The total amount of bills sent to the City Treasurer for collection for this department for the year ending December 31, 1874:

For Water Rates,	\$69,307 39
Service Pipe and Fixtures,	8,549 73
Other accounts,	2,769 31
	<hr/>
	\$80,626 43
	<hr/>

EXPENDITURES.

Paid as per monthly bills on account of extensions, service pipes, etc.,	\$97,255 88
Pumping,	6,313 70
Reservoir,	716 67
Office,	112 02
Printing, stationery, etc.,	376 54
Salaries,	4,613 97
Engineering,	1,229 40
Inspection,	630 00
Miscellaneous,	1,123 30
Rent,	550 00
	<hr/>
<i>Amount carried forward,</i>	\$112,921 48

Amount brought forward, \$112,921 48

Original Construction.

Canal crossing, Broadway,	\$ 333 05	
Reservoir street (Reservoir)	3,086 94	
Engine House,	1,275 13	
Engine,	5,339 01	
Distributing Main,	18 90	
Supply Conduit,	6 00	
Damages,	4,526 73	
	<hr/>	\$14,585 76
		<hr/>
		<u>\$127,507 24</u>

The total number of services laid to January 1, 1875, was 3,228, and of these eight are for fire service.

The total number of water takers, December 31, was 6,938.

The total number of persons supplied, including only those in boarding-houses and dwellings, was 24,796.

One hydrant in each of the following streets have been changed, caused by alterations in streets: Bridge, School, Fletcher and Water. A two-inch stand-pipe was put in on Paige street for watering cart.

Water is supplied for the following uses:

Families,	6,200	Photograph galleries,	10
Boarding-houses,	60	Binderies,	2
Stores and shops,	242	Printing offices,	3
Offices and rooms,	315	Hotels,	7
Fish markets,	9	Holly Tree Inns,	2
Meat markets,	22	Machine shops,	24
Apothecaries,	19	Wire goods manufactories, . .	2
Saloons,	46	Carriage "	2
Banks,	9	Soap "	2

Soda and beer manufactories,	2	Truckmen's stables,	15
Suspender	2	Sale and livery stables,	10
Clothing	3	Trunk makers,	2
Worsted manufactory,	1	Gardens,	5
Cologne	1	Churches,	8
Curtain fixtures	1	Private schools,	2
Shoe	1	Clubs,	3
Comforter	1	Hospitals,	2
Frear stone	1	Halls,	10
Drain pipe	1	Middls'x Mechan. Ass'n,	1
Confectionery	2	Court house,	1
Pat'nt medicine	1	Young Women's Home,	1
Card clothing	1	Masonic Temple,	1
Paper bag	1	Odd Fellows' Hall,	1
Boiler works,	1	County jail,	1
Marble	2	Depots,	3
Plaster	1	Steam railroads,	3
Galvanized iron works,	1	City Goverment Build'g,	1
Planing mills,	1	City stable,	1
Hosiery	1	Street sprinkler,	1
Stamp cutter,	1	City workshop,	1
Roll coverer,	1	Police station,	1
Dye house,	1	Car house,	1
Bonnet bleachery,	1	City library,	1
Pork packers,	3	School houses,	27
Bakeries,	7	Steam fire engine houses	
Barbers	18	and hook and ladder	
Bath rooms,	1	houses,	7
Private stables,	216		

The total number of fixtures is as follows:

Taps,	9,129	Boilers for heating,	35
Private fountains,	25	Set wash tubs,	338
Bath tubs,	309	Drinking fountains,	11
Aquaria,	2	Sinks,	6,432
Horse troughs,	5	Urinals,	42
Hose,	1,404	Water closets,	542
Basins,	693	Drinking hydrants,	9

Fifty-four meters have been set, of the following sizes: 16 five-eighths inch, 28 three-quarters inch, 4 one inch, 1 one-and-a-half inch, 4 two inch, 1 four inch; total, 54.

The number of takers who have had the water shut off for non-payment of water rates are 159; the number again let on upon payment, 154.

Number of abatements, 77; amount, \$1,155.20.

WASTE OF WATER.

The continual waste of water in all places where water works have been introduced is a fixed fact, and it would seem almost impossible to prevent it, judging from reports taken from other places where the most stringent rules have been put in force. I am fully aware that this city is no exception, and that much water is wasted. The principal causes of waste are through the use of hopper water closets, hand hose, and the running of water in winter to prevent freezing. This last cause is fully proved, from the fact that during the extreme cold weather we lose nearly one-third of what is supplied. This being the case, I think more stringent regulations should be made, and the waste stopped, or at least decreased. I have called your attention to this as an important matter, and you will do, in your judgment, what you think best. To better acquaint you with the whole matter, I would refer you to the Report on Waste Water by the City Registrar of Boston to the Cohituate Water Board for the year 1873.

Since my last report to the Board, Mr. Spalding, clerk for this department, has died, which fact you are aware

of. His death was followed by the election of Mr. Frank E. French to the position made vacant by Mr. Spalding's death. It is enough for me to say that I think the Board very fortunate in securing the services of so competent a person as Mr. French has proved himself to be. Thanking you all for the support given me in the discharge of my duties, this report is respectfully submitted.

S. P. GRIFFIN,

Superintendent.

SCHEDULE NO. 1.

SHOWING THE SIZES AND LENGTHS OF PIPE LAID IN THE EXTENSION OF THE WORKS FOR THE YEAR ENDING DEC. 31, 1874.

STREET.	BETWEEN WHAT STREETS.	LENGTH IN FEET.					Various
		16	12	8	6	4	
Agawam,	Lawrence and Moore,				1232.6		
Andover,	Extension of line easterly,				378.0		
Arlington,	Pawtucket and Bowers,				98.0		
Bowers,	Mt. Vernon and Mt. Wash'n,				251.5		
Broadway,	Connection at Fletcher,	54.03					
Broadway,	School and Walker,						
Burns,	So. Highland and Madison,				342.5		
Carlton,	East Pine and Middlesex,				136.5		
Central,	Warren and Jackson,		87.3				
Chelmsford,	Connec'n at Liberty and Hale,				86.4		
Chambers,	Newhall and Gorham,				251.0		
Coburn,	River and Jewett,				347.0		
Coburn,	West-Sixth and town line,				641.5		
Crosby,	Central and Hale's Brook,				705.7		
Dover,	Westford and Branch,				753.2		
Dutton,	Market and Broadway,				573.6		
Eleventh,	Methuen and Bridge,				530.0		
Fenwick,	Extension to Market,				156.0		
Floyd,	Central and Kinsman,					592.4	
Ford,	James and Austin,				658.0		
Fourth West,	Extension to Jewett,				120.0		
Fulton,	Mt. Vernon and School,					244.0	
Grove,	Connection at School,				37.5		
High,	Oak and town line,		113.0				
Highland,	Thorndike and Burns,				462.0		
Hildreth,	Bridge and Hampshire,				438.0		
Kinsman,	Floyd and Whipple,					61.6	
Lane,	Liberty and Westford,				1001.0		
Lawrence,	Canal bridge and Faulkner,	192.8		28.2	17.0		
Leroy,	Loring and Coral,					325.0	
Liberty,	Chelmsford and Lane,			1278.7	23.0		
Madison,	Burns and Gorham,				205.5		
Mansur,	Extension,				100.0		
Mead,	From Floyd to end of street,					214.4	
Merrimaek,	Connection at Prescott Co.,						6
Methuen.	Tenth and town line,		5.3	666.3	16.5		24-inch
Middle,	Connection with Central,				50.6		
Mt. Vernon,	Bowers and Pawtucket,				132.0		
Mt. Washing'n,	Bowers and Varney,				11.0		
Myrtle,	Sixth and Tenth,				841.8		
Newhall,	Whipple and Chambers,				871.5		

SCHEDULE NO. 1—*Continued.*

STREET.	BETWEEN WHAT STREETS.	LENGTH IN FEET.					Various.
		16	12	8	6	4	
Nichols,	Branch and Westford,				60.0		
Paige,	Bridge and Kirk,				588.0		
Pawtucket,	Walker and Wilder,			363.7	320.0		
Pawtucket,	Wanalancet and Canal,				551.0		
Pleasant,	Andover and end of street,				621.0		
Pond,	Pleasant and L. & A. R. R.				150.0	294.0	
Railroad,	Howard and Hale,				4.0	955.8	
River,	Coburn and town line,			1434.0	32.0		
Smith,	Liberty and Westford,				511.0		
Tilden,	Merrimack, northerly,				552.0		
Tremont,	Moody, northerly,				352.0		
Wanalancet,	Pawtucket and Oliver,				554.0		
Walker,	Extens'n old line to Pawtuc't,				366.6		
Walker,	Connection at Branch,				145 0		
Whipple,	Central and Newhall,				896.0		
Wiggin,	Rock and C. and N. Foundry,						2 in. pipe 425.0
William,	George and Central,				502.0		
Willie,	Cushing and Rock,				238.4		
Wilder,	Connection at Middlesex,				625.6		
Worthen,	At Broadway,				92.0	27.5	

CORPORATION LINE.

STREET.	BETWEEN WHAT STREETS.	LENGTH IN FEET					
		20	16	12	8	6	4
Aiken,	Hall and Cheever,					3.3	377.1
Amory,	Canal and Kirk,	96.7		24.0		27.8	
Anne,	Connection at French,					23.2	
Cabot,	Hall and Northern canal,	503.7				40.9	
Canal,	Merrimack and Amory,	523.5				30.8	
Coolidge,	Hall and Cheever,					3 3	422.3
Dutton,	Moody and M. M. Co. office,					934.1	
French,	Kirk and Anne,	403.3				10.8	
Hall,	Tremont to Aiken,	910.6		9.5	455.2	147.7	
Kirk,	Amory and French,	236.0				16.9	
Merrimack,	Connection at Canal street,	6.0					
Merrimack,	Connection at Worthen,	24 inch p	85.0				
Private,	Dutton and Worthen,	215.3		8.8		15.3	
Private,	Worthen at Prince,	207.2					
Private,	Prince and Tilden,	407.2				3.0	
Private,	Tilden and Tremont,	149.5					
Prince,	At Print Works yard,	121.7			17.4	25.7	
Tlden,	20-inch line southerly,					96.0	
Tremont,	Hall and Private way,	370.1		8.5		26.7	
Worthen,	Merrimack and Private way,	321.9	819.6	3.8		131.6	

SCHEDULE NO. 2.

LIST OF STOP GATES SET FOR THE YEAR ENDING DECEMBER 31, 1874.

STREET.	CITY LINE.	16 in.	12 in.	8 in.	6 in.	4 in.
Agawam,	On west line Lawrence street, 15 feet from telegraph pole,				1	
Bowers,	On west line Mt. Washington street, 12 feet north from south line Bowers street,				1	
Chelmsford,	Intersection Chelmsford and Hale street, 22 feet from telegraph pole,				1	
Coburn,	4 feet north from north line of River street, 37 feet east from west line of Coburn street,				1	
Central,	22.5 feet south from north line of Jackson street, 34.0 feet east from west line of Central street,		1			
Crosby,	Blow off, near Hale's Brook,				1	
Dover,	10.1 feet south from south line of Branch street, 15.7 feet west from east line of Dover street,				1	
Dutton,	2 feet south from south line of Market street, 20.5 feet west from east line of Dutton street,				1	
Eleventh,	3.6 feet west from west line of Methuen street, 15.6 feet north from south line of Eleventh street,				1	
Fenwick,	On south line of Market street, 21.8 feet west from east line of Fenwick street,				1	
Floyd,	2 feet east from east line of Central street, 8.6 feet south from north line of Floyd street,					1
Hildreth,	4.7 feet north from south line of Eleventh street, 13 feet east from west line of Bridge street,				1	
Lawrence,	40 feet west from east line of Lawrence street, Intersection of Agawam street,			1		
Liberty,	15.5 feet west from west line of Chelmsford street, 22 feet south from north line of Liberty street,			1		
Methuen,	2 feet north from north line of Tenth street, 26 feet west from east line of Methuen street,			1		
Myrtle,	22 feet east from west line of Myrtle street, 1.5 feet north from north line of Sixth street,				1	
Newhall,	3 feet south from north line of Crosby street, 14.5 feet east from west line of Newhall street,				1	

SCHEDULE NO. 2—*Continued.*

STREET.	CITY LINE.	16 in.	12 in.	8 in.	6 in.	4 in.
Newhall,	3 feet south from south line of Crosby street, 14 feet east from west line of Newhall street,				1	
Paige,	1 foot west from west line of Bridge street, 25 feet south from north line of Paige street,				1	
Pawtucket,	522 feet west from Wannalaneet street, 17.4 feet north from south line of Pawtucket street,				1	
Railroad,	1 foot east from east line of Howard street, 8 feet south from north line of Railroad street,					1
Smith,	3.5 feet north from north line of Liberty street, 17.7 feet west from east line of Smith street,				1	
Tilden,	On north line of Merrimack street, 17 feet east from west line of Tilden street,				1	
Walker,	1.4 feet north from south line of Pawtucket street. 15.8 feet east from west line of Walker street,				1	
Walker,	9.3 feet south from south line of Branch street, 14.8 feet west from east line of Walker street,				1	
Willie,	4 feet south from south line of Rock street, 18.5 feet west from east line of Willie street,				1	
Wilder,	7 feet north from north line of Middlesex street, 12 feet east from west line of Wilder street,				1	
Worthen,	South from south line of Broadway, 4.5 feet west from east line of Worthen street,					1
Whipple,	2.5 feet north from south line of Central street, 15 feet east from west line of Whipple street,				1	
STREET.	CORPORATION LINE.	20 in.	16 in.	12 in.	8 in.	6 in.
Amory,	20.5 feet east from east line of Bridge street, 27.2 feet north from south line of Amory street,			1		
Amory,	5.8 feet west from east line of Kirk street, 26.5 feet north from south line of Amory street,			1		
Anne,	1.0 foot south from south line of French street, 26.6 feet west from east line of Anne street,					1
Bridge,	24 6 feet north from south line of Amory street, 19.0 feet east from west line of Bridge street,			1		
Cabot,	40.7 feet north from north line of Northern canal, 6 feet on west line of Cabot street,	1				

SCHEDULE NO. 2—*Continued.*

STREET.	CORPORATION LINE.	20 in.	16 in.	12 in.	8 in.	6 in.
Canal,	99 feet from north line of Merrimack street, 20 feet east from west line of Canal street,	1				
Dutton,	10 feet south from south line of private street, 17.5 feet east from west line of Dutton street,					1
French,	91 feet west from west line of Kirk street, 27 feet north from south line of French street,					1
French,	23.8 feet west from east line of Anne street, 20 feet north from south line of French street,	1				
Hall,	100 feet east from east line of Suffolk street, 27.2 feet north from south line of Hall street,	1				
Hall,	West from west line of Tremont street. South from north line of Hall street,					1
Hall,	25.2 feet east from west line of Suffolk street, 16.0 feet south from north line of Hall street,	1				
Hall,	7.0 feet east from west line of Suffolk street, 19.6 feet south from north line of Hall street,			1		
Hall,	38 feet east from west line of private street, 11 feet south from north line of Hall street,			1		
Hall,	6 feet on west from Cabot street, 16.6 feet north from south line of Hall street,				1	
Merrimack,	West from west line of Worthen street, South from north line of Merrimack street,				1	
Prince,	Foot of Prince street,			1		
Private,	11.7 feet west from west line of Dutton street, 14.7 feet north from south line of private street,			1		
Private,	16 feet west from west line of Dutton street, 14.7 feet north from south line of private street,			1		
Private,	9.5 feet north from south line of private street, 21.5 feet east from west line of Dutton street,	1				
Tremont,	6.8 feet south from north line of private street, 23.5 feet west from east line of Tremont street,			1		
Tremont,	3.0 feet north from south line of Hall street, 15.3 feet west from east line of Tremont street,			1		
Worthen,	9.7 feet south from south line of private street, 27.3 feet west from east line of Worthen street,			1		
Worthen,	14.5 feet north from north line of Merrimack street. 14 feet east from west line of Worthen street,	1				

SCHEDULE NO. 3.

LIST OF GATES SET ON OLD LINE OF PIPE FOR THE YEAR END-
ING DECEMBER 31, 1874.

STREET.	LOCATION.	16 in.	12 in.	6 in.
Bridge,	Sixth street, Bridge street,		1	
Broadway,	Fletcher street, Broadway,	1		
Fletcher,	Near Pawtucket canal, 14 feet west from east line of Fletcher street,		1	
Grove,	5.3 feet west from west line of School street, 16.8 feet south from north line of Grove street,			1
Merrimack,	Opposite Prescott Mills, 20 feet south from north line of Merrimack street,		1	
Middlesex,			1	
Middlesex,			1	
Nichols,				1
Queen,	1.5 feet north from north line of Branch street, 12 feet east from west line of Queen street,			1

SCHEDULE NO. 4.

LIST OF HYDRANTS SET FOR THE YEAR ENDING DECEMBER 31, 1874.

STREET.	LOCATION.
Agawam,	76 feet from Lawrence street.
Agawam,	381 feet from Lawrence street.
Agawam,	686 feet from Lawrence street.
Agawam,	991 feet from Lawrence street.
Andover,	366 feet from Lawrence street.
Bowers,	Corner of Mt. Vernon street.
Coburn,	281 feet from River street.
Coburn,	479 feet from River street.
Crosby,	166.5 feet from Newhall street.
Dover,	327.5 feet from Branch street.
Dutton,	356.7 feet from Market street.
Eleventh,	252.5 feet from Methuen street.
South Highland,	19 feet from Burns street.
Hildreth,	248 feet from Bridge street.
John,	Corner of Merrimack street.
Kinsman,	Opposite Floyd street.
Lane,	316.6 feet from Liberty street.
Lane,	639.6 feet from Liberty street.
Lawrence,	Opposite Faulkner street.
Liberty,	Corner of Smith street.
Liberty,	444.8 feet from Smith street.
Madison,	Corner of Burns street.
Mead,	Corner of Floyd street.
Methuen,	329.3 feet from Tenth street.
Methuen,	668.3 feet from Tenth street.
Middle,	Corner of Central street.
Myrtle,	405 feet from Sixth street.
Newhall,	Corner of Chambers street.
Newhall,	Corner of Crosby street.

SCHEDULE NO. 4—*Continued.*

STREET.	LOCATION.
Paige,	Corner of John street.
Pawtucket,	Opposite Walker street.
Pawtucket,	363.7 feet from Walker street.
Pawtucket,	344 feet from Wanalancet street.
Pleasant,	Near Pond street.
East Pine,	177 feet from Nichols.
East Pine,	508.4 feet from Nichols street.
Railroad,	166.4 feet from angle in street.
Railroad,	520.4 feet from angle in street.
River,	364.7 feet from Coburn street.
River,	764.7 feet from Coburn street.
River,	1,164.7 feet from Coburn street.
Smith,	371 feet from Liberty street.
Tilden,	Corner of Moody street.
Tremont,	133 feet from Moody street.
Wanalancet,	Near end of pipe.
Wanalancet,	Corner of Pawtucket.
Whipple,	353.5 feet from Central street.
William,	289 feet from George street.
Willie,	49 feet from Cushing street.

CORPORATION LINE.

STREET.	LOCATION.
Aiken,	224.4 feet from Hall street.
Amory,	224.3 feet from Bridge street.
Amory,	221.5 feet from John street.
Cabot,	Corner of Cabot and Hall street.
Cabot,	260 feet from Canal street.
Canal,	150 feet from Merrimack street.
Canal,	Corner of Amory street.

SCHEDULE NO. 4.—*Continued.*

STREET.	LOCATION.
Coolidge,	Corner of Cheever street.
Dutton,	671 feet from Moody street.
Dutton,	294 feet from Moody street.
Dutton,	76 feet from Moody street.
Hall,	Corner of Suffolk street.
Hall,	Opposite Tremont mall.
Hall,	Corner of Aiken street.
Kirk,	Corner of French street.
Merrimack,	Corner of Worthen street.
Prince,	Near Print Works yard.
Private,	80 feet from Dutton street.
Tilden,	Corner Tilden and private street.
Tremont,	Corner Tremont and private street.
Tremont,	Corner Tremont and Hall streets.
Worthen,	Foot of Worthen street.
Worthen,	552 feet from Moody street.
Worthen,	276 feet from Moody street.
Worthen,	Corner of Moody street.

SCHEDULE

OF PROPERTY AT THE PIPE YARD JANUARY 1, 1875.

6 pieces 30-inch pipe,	28 6-inch sleeves,
6 " 24 "	9 4 "
52 " 20 "	17 12-inch half sleeves,
4 " 16 "	4 16 " "
155 " 12 "	10 24 " "
350 " 8 "	6 30 " "
328 " 6 "	6 30-inch curves,
213 " 4 "	7 24 "
9 feet 3-in. wrought iron pipe	16 20 "
7 " 2 " " " "	5 16 "
52 " 2 " rubber coated "	1 12-inch $\frac{1}{4}$ curves,
540 " 1 " " "	2 12 " $\frac{1}{8}$ "
125 " 1 " cement lined "	9 8 " $\frac{1}{8}$ "
955 " $\frac{3}{4}$ " rubber coated "	8 6 " $\frac{1}{4}$ "
413 " $\frac{3}{4}$ " old service "	9 6 " $\frac{1}{8}$ "
201 " $\frac{1}{2}$ " rubber coated "	1 16 to 12-inch reducer,
40 " 4 " pipe (pieces),	1 16 to 8 "
90 " 6 " "	3 12 to 10 "
85 " 8 " "	1 12 to 8 "
25 " 12 " "	5 12 to 6 "
30 " 16 " "	1 10 to 8 "
72 " 20 " "	6 8 to 6 "
9 " 24 " "	2 6 to 4 "
32 " 30 " "	2 hydrants,
5 30-inch sleeves,	4 hydrant frames,
4 24 "	11 " covers,
2 20 "	17 " boxes,
5 16 "	1 20-inch gate,
17 12 "	1 12 "
6 10 "	1 8 "
13 8 "	3 6 "

SCHEDULE OF PROPERTY—*Continued.*

7 4-inch gates,	23 striking hammers,
7 gate frames,	2 nail “
7 “ covers,	3 sledge “
12 “ boxes,	6 calking “
1 24 x 6 inches 4 way (dam- aged,)	4 paving “
1 20 x 6 inches 4 way branch,	1 stone “
1 16 x 12 “ “ “	6 spoons for blasting,
1 16 x 6 “ “ “	70 picks,
3 12 x 12 “ “ “	15 crowbars,
1 12 x 8 “ “ “	9 service caps,
22 12 x 6 “ “ “	3236 lbs. pig lead,
1 10 x 8 “ “ “	1900 lbs. $\frac{3}{4}$ -inch lead pipe,
15 8 x 8 “ “ “	5 chairs,
14 8 x 6 “ “ “	15 feet chain,
19 6 x 6 “ “ “	74 shovels,
6 4 x 4 “ “ “	45 rammers,
3 20 x 12 in. 3 way branches	10 buckets,
1 20 x 6 “ “ “	7 tag ropes,
4 12 x 12 “ “ “	2 sets blocks and falls,
5 12 x 8 “ “ “	3 axes,
7 12 x 6 “ “ “	2 hatchets,
9 8 x 8 “ “ “	30 pick handles,
23 8 x 6 “ “ “	2 furnaces,
33 6 x 6 “ “ “	5 lead pots,
12 4 x 4 “ “ “	4 ladles,
4 20-inch caps,	$\frac{1}{2}$ cord logs,
18 12 “	600 lbs. rope, for blasting,
21 8 “	7 tool boxes,
27 6 “	20 lanterns,
11 4 “	3 sling ropes,
936 lbs. steel drills,	5 lbs. gasket,
	20 iron lug straps,

SCHEDULE OF PROPERTY—*Continued.*

35 feet drain tiles,	2 saw horses,
8 iron bands,	1 washer cutter,
2 stop-gate wrenches,	16 solder irons,
3 hydrant “	3 “ furnaces,
1 “ nut wrench,	1 cement lining machine,
1 1-inch stop and waste cock wrench,	2 ironwood mallets,
4 $\frac{3}{4}$ -inch stop and waste cock wrenches,	$\frac{1}{2}$ case dualin,
1 stop cock nut wrench,	1 testing machine,
1 $2\frac{1}{2}$ -inch stop cock wrench,	1 bucket tar,
4 monkey wrenches,	1 tin bucket,
2 wagon “	1 tar brush,
3 pinch bars,	1 paint brush,
12 wooden plugs,	50 lbs. paint,
3 paving planks,	1 tapping machine, for cement pipe,
2 $\frac{3}{4}$ -inch water meters,	2 tapping machines,
1 $\frac{5}{8}$ “ “	1 dry tapping machine,
1 1 “ “	1 fountain and fixtures,
1 hose reel,	2 iron-tooth rakes,
200 feet rubber hose,	25 lbs. castings,
1 cast-iron forge,	1 two-quart measure,
9 iron washers,	1 ten-gallon can,
1 pair counter scales,	1 two-gallon can,
114 $\frac{3}{4}$ -inch lead connections,	1 one-gallon can,
20 1 “ “	2 half-gallon cans,
31 lbs. solder,	1 tunnel,
10 pairs piping tongs,	1 barrel cement,
2 sets die-plates and dies	$\frac{1}{4}$ barrel pipe-clay,
1 sieve,	1 kerosene barrel,
3 hand saws,	1 faucet,
2 buck saws,	3 paving mauls,
	1 framing chisel,

SCHEDULE OF PROPERTY—*Continued.*

1 plane,	4 blankets,
3 trowels,	1 extra cover,
2 wheelbarrows,	2 surcingles,
1½ keg nails,	1 halter,
2 brooms,	1 curry comb,
2 ice chisels,	1 card,
1 work bench,	1 brush,
2 piping benches,	½ gallon sperm oil,
2 piping vices,	3 oilers,
1 sprinkler,	6 lamp burners,
1 desk,	2 square point shovels,
1 portable,	8 bushels oats,
1 stove,	100 lbs. meal,
1 chair,	50 lbs. shorts,
22 service boxes,	1 bushel corn,
2 snow shovels,	1 hog,
2 steel probing bars,	1 brass hydrant reducer,
10 steel wedges,	1 copper goose neck,
16 calking sets,	30 pick handles,
3 files,	9 hammer handles,
1 jug acid,	70 shovel handles,
4 tape lines,	1 draw shave,
1 tin pump,	50 lbs. steel,
1½ tons hay,	600 lbs. iron,
2 hay forks,	475 lbs. horse shoes,
1 manure fork,	37 lbs. horse shoe nails,
1 horse	25 lbs. steel calks,
2 harnesses,	1 set shoeing tools,
1 wagon jack,	1 ton coal,
2 wagons,	600 lbs. scrap iron,
1 pung,	1 set blacksmith tools,
1 rubber cover,	1 grindstone,

SCHEDULE OF PROPERTY—*Continued.*

1 blacksmith shop,	2 $1\frac{1}{4}$ -inch elbows,
1 storehouse and workshop,	1 $1 \times \frac{3}{4}$ -inch elbow,
1 stable,	1 2-inch elbow,
1 carriage house,	191 $\frac{3}{4}$ -inch solder nipples,
1 woodshed,	404 1-inch solder nipples,
300 bricks,	337 $\frac{3}{4}$ -inch unions,
2 tons iron junk,	44 1-in. rubber coated unions,
550 feet 2-inch plank,	39 $\frac{3}{4}$ -in. rubber coated unions,
1800 feet scantling,	2 $\frac{1}{4}$ -inch unions,
13 cords hard pine wood,	14 $\frac{3}{4}$ -inch tees,
1 10-in. stop gate, old pat'rn,	46 1-inch tees,
1 mortar bed,	2 $1\frac{1}{2}$ -inch tees,
2 cement boxes,	3 $2 \times \frac{3}{4}$ -inch tees,
16 gate screws,	2 $1\frac{1}{2} \times 1$ -inch tees,
68 rubber packings for hydrants,	2 $1\frac{1}{4} \times 1$ -inch tees,
5 fountain dippers,	1 $1\frac{1}{4} \times \frac{3}{4}$ -inch tees,
35 $\frac{3}{4}$ -inch elbows,	1 1-inch bushing,
48 $\frac{3}{4}$ -inch corporation cocks,	2 $\frac{3}{4}$ -inch bushing,
42 $\frac{3}{4}$ -inch stop and waste c'ks,	975 $\frac{3}{4}$ -inch couplings,
17 $\frac{3}{4}$ -inch cement corp. cocks,	35 $1\frac{1}{4}$ -inch couplings,
61 1-inch stop and waste c'ks,	615 1-inch couplings,
4 $1\frac{1}{4}$ -inch corporation cocks,	4 2-inch couplings,
3 $\frac{1}{4}$ -inch stop and waste c'ks,	26 1-inch 4 way branches,
2 2-inch stop and waste c'ks,	2 $1\frac{1}{2}$ -inch 4 way branches,
1 2-inch corporation cock,	6 $1 \times \frac{3}{4}$ -inch 4 way branches,
98 1-inch plugs,	8 $\frac{3}{4}$ -inch 4 way branches,
3 $\frac{3}{4}$ -inch plugs,	4 $1\frac{1}{4}$ -inch brass plugs,
14 $\frac{3}{4}$ -inch cement unions,	3 1-inch caps,
48 1-inch elbows,	1 syphon,
15 $\frac{3}{4}$ -inch elbows,	2 measuring lines,
5 $1\frac{1}{2}$ -inch elbows,	20 lbs. rosin,
	2 reducer couplings.

SCHEDULE OF TOOLS, Etc.

LIST OF TOOLS AT ENGINE HOUSE.

1 vise and bench,	3 spare rubber valves for air pump,
8 sets brasses for engine,	7 1½-inch brass bolts for pump valves,
2 sets differential blocks,	5 spare cast-iron pump valves,
1 set small pulley blocks,	5 set spare cast-iron weights for valves,
100 feet 2-inch rope,	100 spare grate bars,
2 sets fire irons,	12 cast-iron roofing bars for boilers,
1 axe,	11 socket wrenches,
11 wrenches,	7 gas tongs,
2 jack screws,	4 sledge hammers,
4 hand hammers,	10 finished wrenches,
8 cold chisels,	1 thermometer,
1 ratchet drill,	9 chairs,
12 drills,	2 lengths fire hose,
1 barometer,	6 copper lamps,
8 copper oil cans,	6 tin oil cans,
2 indicators,	2 shovels,
2 copper oil cans,	4 brushes,
1 pair scales,	75 bolts for pump, assorted sizes,
4 crow bars,	2 tin measures,
4 chisel bars,	2 monkey wrenches,
64 feet ½-inch chain and pulley blocks,	1 spare wire screen for pump.
7 eye bolts,	
1 truck,	
2 gas lamps,	
1 high grade thermometer,	

LIST OF TOOLS AT THE RESERVOIR.

1 grindstone,	2 wheelbarrows,
1 sod cutter,	1 hoe,
2 scythes and snaths,	3 rakes,
7 shovels,	5 picks,
1 axe,	2 forks.
1 saw,	

SCHEDULE OF FURNITURE, ETC.

FURNITURE IN DRAUGHTING ROOM.

1 drawing table, with drawers,	1 office table,
2 stools,	1 drawing table,
3 chairs,	1 water urn,
2 inkstands,	3 pitchers,
1 spittoon,	2 tumblers,
1 plumb,	Drawing paper, etc.

LIST OF FURNITURE, ETC., IN OFFICE OF SUPERINTENDENT AND WATER BOARD.

2 writing desks,	4 mats,
11 office chairs,	2 spittoons,
1 letter book press,	1 paper-basket,
1 clock,	1 closet,
7 gate wrenches,	1 screw driver,
1 book case,	1 key rack,
2 office tables,	1 monkey wrench,
3 common chairs,	2 carpets,
4 inkstands,	2 stoves,
3 lanterns,	2 thermometers,
1 shovel,	1 hat rack,
1 set calking tools,	1 pair shears,
2 hammers,	15 feet lead pipe and tunnel,
1 bar,	4 brooms.

COMMONWEALTH OF MASSACHUSETTS : In the Year of Our Lord One Thousand Eight Hundred and
Seventy Five.

AN ACT

TO REVISE AND CONSOLIDATE THE CHARTER OF THE CITY OF LOWELL.

Be it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same, as follows :

SECTION 1. The inhabitants of the City of Lowell, for all the purposes for which cities and towns are by law incorporated in this Commonwealth, shall continue to be one body politic, in fact and in name, under the style and denomination of the City of Lowell ; and, as such, shall have, exercise and enjoy all the rights, immunities, powers and privileges, and shall be subject to all the duties and obligations now incumbent upon and appertaining to said city as a municipal corporation, except so far as the same may be modified by the provisions of this act.

SEC. 2. The administration of the fiscal, prudential and municipal affairs of said city, with the government thereof, shall be vested in one principal officer, styled the Mayor, one select council of eight, to be called the Board of Aldermen, and one council of not less than two nor more than four from each ward, to be called the Common Council ; and the Board of Aldermen and the Common Council, in their joint capacity, shall be denominated the City Council ; and the members thereof shall be sworn to the faithful discharge of their duties. A majority of each board shall constitute a quorum for the transaction of business. No member of the City Council, except the Mayor, shall receive any compensation for his services.

SEC. 3. The election of municipal officers shall take place on the second Tuesday of December, annually ; and the municipal year shall begin on the first Monday of January following.

All meetings of the citizens, for municipal purposes, shall be called by warrants issued by the Mayor and Aldermen, which shall be in such form, and be served, executed and returned in such manner and at such time as the City Council may by ordinance direct.

SEC. 4. In the year eighteen hundred and seventy-five, and in every tenth year thereafter, but not oftener, the City Council may make a new division of the city into such number of wards as they may determine, and may increase or diminish the number of Common Councilmen to which the several wards shall be entitled during the succeeding decennial period: provided, that the number of wards shall not be less than six nor more than twelve; and provided, further, that the number of Common Councilmen shall not be less than two nor more than four from each ward; and each ward shall be entitled to an equal number of Common Councilmen with every other ward. Every new division of the city into wards shall be made in such manner as to include an equal number of voters in each ward, as nearly as conveniently may be, consistently with well defined limits to each ward; and until a new division is made, the boundary lines of the wards shall remain as now established.

SEC. 5. On the second Tuesday of December, annually, there shall be elected by ballot, in each of said wards, a warden, clerk and three inspectors of elections, who shall be different persons, residents of the ward, and who shall hold their offices one year and until others shall be elected and qualified in their stead. Said wardens shall preside at all ward meetings, with the power of moderators of town meetings; and if at any meeting the warden is not present, the clerk shall preside until a warden *pro tempore* is elected; if both the warden and clerk are absent, either of the inspectors present may preside until a warden *pro tempore* is elected; and if all said officers are absent, any legal voter in said ward may preside until a warden *pro tempore* is elected. When any ward officer is absent or neglects to perform his duty, his office shall be filled *pro tempore* by ballot, or by nomination and hand vote as a majority of the voters present shall determine. The clerk shall record all the proceedings and certify the votes, and deliver to his successor in office all the records, journals, documents and papers held by him in his said capacity. The inspectors shall assist the warden in

receiving, sorting and counting the votes. All said officers shall be sworn to a faithful discharge of their duties, the oath to be administered by the clerk to the warden, and by the warden to the clerk and to the inspector; or to either of said officers by any officer authorized to administer oaths. Certificates of such oaths shall be made by the clerk upon the ward records.

SEC. 6. The Mayor and Aldermen shall be elected by the legal voters of the city at large, and shall hold office from the first Monday of January next succeeding their election to the first Monday of the following January.

SEC. 7. The members of the Common Council shall be elected from and by the legal voters of the wards in which they reside at the time of their election, and shall hold office from the first Monday of January next succeeding their election to the first Monday of the following January.

SEC. 8. Whenever any person elected Mayor, Alderman or Common Councilman, shall die, remove from the city, or refuse in writing, addressed to the Mayor or Board of Aldermen for the time being, to accept the office before entering upon the discharge of his duties, the Board of Alderman may make a record of the fact, and thereupon the Mayor and Board of Aldermen issue their warrant for an election to fill such vacancy, to be held at such time as they shall deem advisable; and the same proceedings may be had to fill any vacancy in either of said offices caused by death, resignation or otherwise, after the commencement of the municipal year, and any vacancy so filled shall be for the full term, or for the remainder of the unexpired term.

SEC. 9. All municipal officers shall be held to discharge the duties of the offices to which they have been respectively elected, notwithstanding their removal after their election out of their respective wards into any other wards of the city; but a removal of residence out of the city shall cause a vacancy to exist in the offices to which they were elected.

SEC. 10. On the second Tuesday of December, annually, the qualified voters shall, in their several wards, give in their votes by ballot for Mayor, Aldermen, Common Councilmen and members of the

School Committee, in accordance with the provisions of this act; and all the votes so given in shall be sorted, counted, declared and recorded in open ward meeting, by causing the names of persons voted for, and the number of votes for each, to be written in the ward record at length, and a transcript of such record, certified and authenticated by the warden, clerk and a majority of inspectors of elections for each ward, shall be forthwith transmitted or delivered by such ward clerk to the City Clerk, who shall forthwith enter such returns, or a plain and intelligible abstract of them, as they are successively received, upon the journal of the proceedings of the Board of Aldermen, or some other book to be kept for that purpose. And the Mayor and Aldermen shall meet together within three days after such election, and examine and compare all the said returns, and ascertain what persons shall have been elected to the offices aforesaid; but if on said examination, or after a recount of the votes for any of said offices in the manner provided by law, such elections shall not be complete, the Mayor and Aldermen shall issue their warrants for meetings in such wards as shall have failed to complete their elections; and the same proceedings shall be had in all respects as are herein before directed, until such persons shall be chosen. All persons who may be elected to the offices named in this section shall be notified by the Mayor and Aldermen within two days after the fact shall be ascertained.

SEC. 11. The Mayor, Aldermen, and Common Council shall meet in convention, on the first Monday of January in each year, at nine o'clock in the forenoon, and shall be sworn to the faithful discharge of their duties. After the oaths shall be taken, the two boards shall separate, and the Common Council shall be organized in the manner hereinafter provided. In case either of said officers is not present on said first Monday of January, said oath may be administered at any time thereafter in convention of the two boards. In all cases a record of such oaths having been taken shall be entered in the journal of the proceedings of the Board of Aldermen, and of the Common Council, by their respective clerks.

SEC. 12. The Mayor may preside at all meetings of the Board of Aldermen, and at the conventions of the City Council, and shall be entitled to vote only when the other members present and voting are equally divided; provided, that he shall not vote upon the

question of the confirmation of a nomination made by him. The Board of Aldermen shall elect one of their members to preside when the Mayor does not preside, who shall be called the Chairman of the Board of Aldermen, who shall hold office during the municipal year for which he is elected, unless sooner removed by the Board of Aldermen. In the absence of both the Mayor and Chairman of the Board of Aldermen, the Aldermen shall elect one of their members as Chairman for the time being. In the absence of the Mayor, the Chairman of the Board of Aldermen shall preside at all conventions of the City Council. All meetings of the Board of Aldermen shall be public when they are not engaged in executive business. The Board of Aldermen shall be the final judges of the election and qualifications of their own members.

SEC. 13 Whenever, in consequence of the death or resignation of the Mayor, or from any other cause, the office shall have become vacant, and the Board of Aldermen and Common Council shall each have declared by vote that the office is vacant, and that it is expedient to fill it, the Board of Aldermen shall issue warrants for the election of a Mayor for the remainder of the term for which the last Mayor was elected, and the same proceedings shall be had as are provided by law for the choice of a Mayor by the inhabitants. Until such vacancy is filled as aforesaid, and whenever the Mayor, from absence, illness, or other temporary disability cannot perform the duties of the office, and such vacancy or disability has been declared by the Board of Aldermen to exist, the Chairman of the Board of Aldermen shall exercise the powers and perform the duties of Mayor as long as such vacancy or disability continues; but while so acting he shall not vote except when the other members of the board present and voting on any question are equally divided.

SEC. 14. The persons chosen and qualified as members of the Common Council shall sit and act together as a separate body, distinct from that of the Board of Aldermen, except when the two bodies meet in convention. On the first Monday of January, or as soon thereafter as may be, the Common Council shall elect one of their members to preside over their deliberations, who shall be called the President of the Common Council, and who shall hold office during the municipal year for which he is elected, unless sooner removed. In case the President is absent or unable to per-

form his duties, or in case the office is vacant from any cause, the Council shall elect a President for the time being.

The Common Council shall elect a clerk, who shall be sworn to the faithful discharge of the duties of his office, and shall hold his office during the pleasure of the Council, and until his successor shall be chosen and qualified; and he shall attend the Council when in session, keep a journal of all their acts, votes and proceedings, and perform such other services in said capacity as the Council may require. In his absence the Council shall elect a clerk *pro tempore*, who shall be sworn to the faithful discharge of his duties. All sittings of the Common Council shall be public.

The certificate issued by the Mayor and Aldermen shall be presumptive evidence of the right of the person presenting the same to a seat in the Common Council; but the Council shall have the authority to decide ultimately upon all questions relating to the qualifications, elections and returns of their members.

SEC. 15. Every act of the City Council, or either branch thereof, shall be by ordinance, order, resolution or vote. Every ordinance, order, resolution or vote to which the concurrence of the Board of Aldermen and of the Common Council may be necessary, and every order or vote of either branch, involving the expenditure of money, or affecting the public interests, shall be presented to the Mayor; if he approve thereof he shall sign the same; but if not he shall return it, with his objections, to the branch in which it originated, and the clerk thereof shall record such objections, and said branch shall proceed to reconsider said ordinance, order, resolution or vote; and if, after such reconsideration, two-thirds of the whole of said branch, notwithstanding such objections, vote to pass the same, it shall, together with the objections be sent to the other branch of the City Council (if it originally required concurrent action), where it shall also be reconsidered, and if it be also approved by two-thirds of the whole of said branch, it shall be in force; but in all cases the vote shall be determined by yeas and nays. If any such ordinance, order, resolution or vote shall not be returned by the Mayor to the clerk of the branch in which it originated within ten days after it shall have been presented to him, the same shall be in force: *provided*, that if any ordinance, order, resolution or vote embraces distinct subjects, the Mayor may approve the provisions relating to one or more of the subjects and not ap-

prove of the others; and so much of said ordinance, order, resolution or vote as the Mayor may not approve shall be reconsidered as above provided.

SEC. 16. The Mayor shall be the chief executive officer of the city, and shall be compensated for his services by a salary, to be fixed by the City Council, payable at stated periods; which salary shall not exceed the sum of three thousand dollars annually, and he shall receive no other compensation or emolument whatever; and no regulations enlarging or diminishing such compensation shall be made to take effect until the expiration of the year for which the Mayor then in office shall have been elected. And the Mayor shall be vigilant and active at all times in causing the laws for the government of the city to be duly enforced; shall inspect the conduct of all subordinate officers in the government thereof, and as far as in his power, cause all negligence, carelessness and violation of duty to be duly prosecuted and punished. Whenever, in his judgment, the good of the city may require it, he shall summon meetings of the Board of Aldermen and Common Council or either of them, although the meeting of said boards, or either of them, may stand adjourned to a more distant day, and perform such other duties as the City Council may legally and reasonably require. And the Mayor, from time to time shall communicate to both branches of the City Council all such information, and recommend all such measures as may tend to the improvement of the finances, the police, health, security, cleanliness, comfort and ornament of the city.

SEC. 17. The City Council shall annually, as soon after their organization as may be convenient, meet in convention, and elect, by joint ballot a City Clerk, and a City Treasurer and Collector of Taxes; they shall also elect by concurrent vote, any number of Surveyors of Highways, not exceeding three, and shall, in such manner as the said City Council may determine, by ordinance made for that purpose, elect all other officers necessary for the good government, peace and health of the city not herein otherwise provided for; and all officers elected or appointed by the City Council, or either branch thereof, shall hold their offices according to the term of the same, and until their successors are chosen and qualified, unless otherwise provided for; *provided, however*, that any officer elected by the City Council may be removed at any time by said Comm-

cil for sufficient cause, unless otherwise provided herein; and in case of the death, resignation or removal of any officer elected by the City Council, or of a vacancy from any cause, his place may be filled in the manner provided in this section for the election of such city officer, and any person so elected shall hold office only for the unexpired term of the office to which he is elected. The duties of all officers shall be such as are required of similar officers elsewhere, but may be defined by ordinance, and their compensation shall be fixed by the City Council.

SEC. 18. The City Clerk before entering on the duties of his office, shall be sworn to the faithful discharge of the same, which oath may be administered by the Mayor or the Chairman of the Board of Aldermen. He shall be clerk of the Board of Aldermen and be removable at their pleasure; and shall keep a journal of the acts and proceedings of said board, sign all warrants issued by them, and do such other acts in his capacity as may lawfully and reasonably be required of him; and shall deliver over all journals, books, papers, documents and other things entrusted to him as such clerk, to his successor in office, immediately upon such successor being chosen and qualified as aforesaid, or whenever he may be thereto required by the Board of Aldermen. And the City Clerk thus qualified, shall have all the powers, and perform all the duties now by law belonging to the City Clerk of the City of Lowell as fully as if the same were particularly enumerated, except in cases where it is otherwise expressly provided. In case of the absence of the City Clerk, the Mayor and Aldermen may appoint a City Clerk, *pro tempore*, with all the powers, duties and obligations of the City Clerk, until the City Clerk shall resume his duties, and said officer shall be sworn in the manner provided in the case of the City Clerk.

SEC. 19. The administration of the police, the executive powers of the city generally, with all the powers formerly vested in the Selectmen of the Town of Lowell, and heretofore vested in the Mayor and Aldermen of the City of Lowell shall continue to be vested in and exercised by the Mayor and Aldermen of said city, as fully as if the same were herein specially enumerated. The Mayor and Aldermen may grant licenses for all purposes within said city for which the Mayor and Aldermen of cities or the Selectmen of towns are authorized by

the general laws of the Commonwealth to grant and all licenses so granted, may at any time be revoked for good cause.

The Mayor and Aldermen may appoint, annually the same such number of persons as constables for the city, and from time to time such special constables as the public service may require, and may remove the same at pleasure, and may require any person appointed a constable or special constable, to give bonds to the city with such security and to such amount as they may deem proper, before he shall be entitled to enter upon the execution of said office; upon which bonds the like proceedings and remedies may be had, as are by law provided in case of Sheriff's bonds in this Commonwealth.

The Board of Aldermen may cause the public streets of the city to be lighted and for that purpose may set up and construct lamps, gas pipes, or other apparatus, such as the public convenience or necessity may require.

SEC. 20. All boards and officers, acting under the authority of the city, and entrusted with the receipt and expenditure of public money, shall be accountable therefor to the City Council, in such manner as they may direct. And the City Council shall publish and distribute annually, for the information of the citizens, a particular statement of the receipts and expenditures of all public moneys, and a particular statement of city property.

SEC. 21. In all cases in which appointments to office are directed to be made by the Mayor and Aldermen, the Mayor shall have the exclusive power of nomination; such nomination, however, being subject to confirmation or rejection by the Board of Aldermen; and any officers, so appointed, may be removed at any time by the Board of Aldermen.

SEC. 22. All the powers and authority invested in the Boards of Health of towns in this Commonwealth, are hereby vested in the City Council, to be carried into execution by the appointment of a Health Commissioner, or a Board of Health; or in such other manner as the health and cleanliness of the city may require, subject to such alterations as the Legislature may from time to time adopt.

SEC. 23. All other powers now by law vested in the City of Lowell, or in the inhabitants thereof, as a municipal corporation, shall continue to be vested in the Board of Aldermen and Common Council of

the city, to be exercised by concurrent vote, each board having a negative upon the other; especially, they may make all such needful and salutary ordinances or by-laws, as towns by the laws of this Commonwealth have power to make and annex penalties not exceeding twenty dollars for the breach thereof, which ordinances or by-laws shall take effect, and be in force from and after the times therein respectively limited, without the sanction or confirmation of any court or other authority whatever; *provided*, that such ordinances or by-laws shall not be repugnant to the laws of this Commonwealth; and shall be liable to be annulled by the legislature thereof. In all prosecutions by complaint before the police court, for the city of Lowell, founded in the special acts of the Legislature or the ordinances or by-laws of the City of Lowell, it shall be sufficient to set forth in such complaint the offence, fully and plainly substantially and formally, and in such complaint it shall not be necessary to set forth such special act, ordinance or by-law, or any part thereof.

SEC. 24. The City Council from time to time may lay and assess taxes for purposes for which towns are by law required or authorized to assess or grant money, and also for all purposes necessary for carrying into effect the powers conferred by this act: *Provided, however*, that, in the assessment and apportionment of such taxes, the same rules and regulations shall be observed, as are now established by the laws of this Commonwealth (or may hereafter be enacted) relative to the assessment and apportionment of town taxes. The City Council may provide for the assessment and collection of such taxes, make appropriations of all public moneys, and provide for the disbursement thereof, and take suitable measures to ensure a just and prompt account thereof and for these purposes may either elect such assessors and assistant assessors as may be needful or may provide for the appointment or election of the same, or any of them, by the Board of Aldermen, or by the citizens, as may be most conducive to the public good and may fix their term of office, and shall also require of all persons entrusted with the collection, custody or disbursement of public moneys, such bonds, with such conditions and such sureties, as the case may require.

SEC. 25. The City Council shall have the power to lay out, make and continue or discontinue all city or town ways or streets within the limits of the city; and widen and straighten county ways,

within the city, in such manner as the public convenience may require, and cause any street or streets, public places or squares in the city to be graded, paved, macadamized or repaired; and any person aggrieved by the award of damages made by the City Council, may, at any time within one year thereafter, apply for a jury to revise the same, as is provided by law in case of town ways.

SEC. 26. The City Council is hereby authorized to appropriate, set off and reserve as sidewalks such parts of any streets of the city as may be necessary for the safety, convenience and accommodation of foot passengers, and permit or direct posts of stone, iron or wood, or trees if necessary, to be placed along the edge of said sidewalks to protect the same, or the passengers traveling thereon, and to establish and grade sidewalks and set curbstones in such streets in said city as the public convenience may require, and construct the same with such material as the City Council shall deem expedient; and shall assess the expense of the same upon the owners thereof. All assessments so made, shall be a lien upon the abutting lands in the same manner as taxes are a lien on real estate, and may be collected in the same manner as taxes on real estate are now collected. Sidewalks when constructed, shall be the property of the city, and thereafter shall be maintained and kept in repair by the city. The City Council may, from time to time, re-establish, grade, reconstruct and repair such sidewalks and curbstones and any sidewalks and curbstones heretofore established in said city, and may, by ordinance, provide that abutting owners or tenants shall keep sidewalks in front of their premises free from snow and ice, under suitable penalties, not exceeding twenty dollars for each offence.

SEC. 27. The Board of Aldermen shall have the power, whenever they shall adjudge it to be necessary for the public convenience or the public health, to cause main drains or common sewers to be laid through any street or private lands and may repair the same whenever necessary, and shall pay the owners of such lands such damages as they may sustain by the laying or repairing of said main drains or common sewers; and all such main drains or common sewers shall be the property of the city. When any lands or real estate, shall be taken by virtue of this act, the proceedings shall be the same, in all respects as in the laying out of highways or streets.

SEC. 28. The City Council may make and establish necessary ordinances or by-laws for the purpose of preventing any person without first obtaining a license from the Board of Aldermen, from setting up, employing or using any hackney coach, job wagon or other carriage for the conveyance of passengers or freight from place to place, in the city, for hire, and for the purpose of establishing and limiting the rates and prices for such conveyance of passengers; and also for the inspection, survey, measurement and sale of lumber of every description, brick, wood, coal and bark for fuel, brought into the city for sale, and for the regulation of carriages in the streets of the city, appoint certain suitable places in the streets and squares of the city, as public stands for wagons, carts, sleds and carriages of every description and ordain fit penalties, not exceeding twenty dollars, for the breach of any of the ordinances, rules and regulations so made and established, to be recovered upon complaint of any officer or other inhabitant of the city before the police court therein for the use of the city.

The City Council shall also have the care and superintendence of the public buildings, and the care, custody and management of all the property of the city, with power to lease or sell the same, and to purchase property in the name and for the use of the city, whenever its interest or convenience may require. The City Council are hereby authorized to purchase land to be laid out as public squares, malls, parks or commons, and to properly lay out, enclose, maintain, keep and ornament the same, or any now owned by the city.

SEC. 29. The Overseers of the Poor shall consist of the Mayor and six other persons, who shall be elected by concurrent vote of the City Council, and shall be sworn to the faithful discharge of their duties. In January in the year eighteen hundred and seventy-six, three of said persons shall be elected to serve for one year, and three to serve for two years, and thereafter, in January of each year, three of said persons shall be elected to serve for two years. In case of a vacancy in the Board of Overseers of the Poor, from any cause, the City Council shall fill such vacancy by electing a person to serve for the remainder of the term; and all Overseers of the Poor shall serve until their successors are chosen and qualified. The Overseers of the Poor may appoint a secretary and define his duties; but the compensation of such secretary shall be fixed by the City Council. Said Overseers shall have all the powers heretofore conferred upon the Overseers of

the Poor of the City of Lowell, by any special act, and all the powers of Overseers of the Poor in towns, but shall receive no compensation for their services except by vote of the City Council.

SEC. 30. The persons heretofore elected as members of the School Committee, may continue in office, according to the tenure thereof. At each annual election for municipal officers, hereafter, the qualified voters of each ward shall elect one person, being an inhabitant of said ward, to serve as a member of the School Committee for the term of two municipal years from the first Monday of January next following such election. The School Committee shall be the final judges of the qualifications and election of their own members.

If the number of wards shall at any time be increased, each additional ward shall at the next annual election for municipal officers thereafter, elect one person to serve as a member of the School Committee for the term of one municipal year, and one person to serve for the term of two municipal years, from the first Monday of January next following such election; and thereafter, all elections therein, shall be for the term of two municipal years, from the first Monday of January next following such elections. The Mayor and President of the Common Council, *ex officio*, together with the persons elected as aforesaid, shall constitute the School Committee of Lowell, and shall have all the powers vested in School Committees by the general laws of the Commonwealth, or any special law for the City of Lowell. A majority of the persons duly elected shall constitute a quorum for the transaction of business; and the Mayor may preside at all meetings of the School Committee.

Whenever any person elected a member of the School Committee shall die, remove from the city, or refuse in writing addressed to the Mayor and Aldermen for the time being to accept the office, before entering upon the duties thereof, the Mayor and Aldermen may make a record of the fact, and thereupon issue their warrant for an election to fill such vacancy, to be held at such time as they shall deem advisable.

It shall be the duty of the School Committee to exercise the same supervision and control over any institution of instruction and house of reformation, established by the City Council, as they are by law required to exercise over the public schools, as far as practicable.

SEC. 31. The City Council may establish a fire department, to consist of a Chief Engineer and as many Assistant Engineers, enginemen, hosemen, hook and ladder men, and hydrant men to be divided into companies, as the City Council, by ordinance, shall from time to time, prescribe; and said City Council may make provisions in regard to the time and mode of appointment, and the occasion and mode of removals of said officers or members, and define their office and duties, and in general, may make such regulations concerning their pay, conduct and government, and concerning the management and conduct of fires and persons attending fires, subject to all penalties provided for breach of city ordinances, as they shall deem expedient: *provided*, that the appointment of chief engineer, assistant engineers, enginemen, hosemen, hook and ladder men and hydrant men, shall be made by the Mayor and Aldermen, exclusively. The engineers and other officers of the fire department, so appointed, shall have the same authority in regard to the prevention and extinguishment of fires and the performance of the other offices and duties now incumbent upon fire-wards, as are now conferred upon fire-wards by general laws, and the compensation of the fire department shall be fixed by the City Council.

SEC. 32. Prior to every election the Mayor and Aldermen shall make out lists of all the citizens of each ward, qualified to vote in such election, in the manner in which Mayor and Aldermen are required to make out similar lists of voters; and for that purpose, they shall have free access to the assessors' books and lists, and be entitled to the aid and assistance of all assessors, assistant-assessors, and other officers of the city. And the Board of Aldermen shall deliver such lists of voters in each ward, to be used by the warden and inspectors thereof, at such elections; and no person shall be entitled to vote at such election, whose name is not borne on the list; and to prevent all frauds and mistakes in such election, the officers presiding thereat shall take care that no person shall vote at such election whose name is not borne on the list of voters, and shall cause a mark to be placed against the name of each voter on such list, at the time of giving his vote.

SEC. 33. All elections for national, state, county, district and other officers, who are to be chosen and voted for by the people, shall be held at meetings of the citizens, qualified to vote in such elections, in their respective wards, at the time fixed by law for those elections respectively. And at such meetings, all the votes given in, being sorted,

counted and declared by the warden and inspectors of elections, shall be recorded at large in open ward meeting by the clerk, and in making such declaration and record the name of every person voted for, and the number of votes given for each person and the office for which he has received votes, shall be recorded ; such numbers to be expressed in words at length. And a transcript of such record, certified and authenticated by the warden, clerk and a majority of inspectors of elections, for each ward, shall forthwith be transmitted or delivered by such ward clerk to the City Clerk, who shall enter such returns or a plain and intelligible abstract of them, as they are successively received upon the journal of the proceedings of the Board of Aldermen, or some other book to be kept for that purpose. And the Mayor and Aldermen shall meet together within three days after every such election and examine and compare all such returns and thereupon make out a certificate of the result of such election to be signed by a majority of the Board of Aldermen, and also by the City Clerk, which shall be transmitted, delivered and returned as by law required.

SEC. 34. General meetings of the citizens qualified to vote in city affairs, may, from time to time, be held to consult upon the public good, to give instructions to their representatives, and to take all lawful measures to obtain a redress of grievances according to the rights secured to the people by the constitution of this Commonwealth ; and such meetings shall be duly warned by the Mayor and Aldermen, upon the requisition of fifty qualified voters of the city.

SEC. 35. In all cases where any officer is required to be sworn by this act, the oath required of him may be administered by the Mayor, the Chairman of the Board of Aldermen, the President of the Common Council, the City Clerk or any officer authorized to administer oaths.

SEC. 36. All acts and parts of acts inconsistent with this act are hereby repealed: *provided, however*, that the repeal of the said acts shall not affect any act done, or any right accruing, or accrued or established, or any suit or proceeding had or commenced in any civil case, before the time when such repeal shall take effect, and that no offence committed, and no penalty or forfeiture incurred, under the acts hereby repealed and before the time when such repeal shall take effect, shall be affected by the repeal ; and that no suit or prosecution pending at the time of the said repeal for any offence committed, or

for the recovery of any penalty or forfeiture incurred under the acts hereby repealed, shall be affected by such repeal; *and, provided*, also, that all persons, who, at the time when the said repeal shall take effect shall hold any office under the said acts, shall continue to hold the same according to the tenure thereof; *and, provided*, also, that all the ordinances and by-laws of the City of Lowell, which shall be in force at the time when the said repeal shall take effect, shall continue in force until the same are repealed by the City Council, and all officers elected under such ordinances and by-laws shall continue in force according to the tenure thereof.

SEC. 37. No act or part of an act which has been heretofore repealed, shall be revived by the repeal of the acts mentioned in the preceding section, and nothing in this act contained shall be so construed as to prevent the Legislature from altering or amending the same whenever they shall deem it expedient.

SEC. 38. This act shall be void unless a majority of the voters of the City of Lowell, present and voting thereon, at a legal meeting called for that purpose by a written vote, determine to adopt the same. The qualified voters of the city shall be called upon to give in their votes upon the adoption of this act at meetings in the various wards, duly warned by the Mayor and Aldermen, to be held not less than sixty days after the passage of this act; and thereupon the same proceedings shall be had respecting the sorting, counting, declaring, recording and returns of said votes as is herein provided at the election of Mayor; and the Mayor and Aldermen shall, within three days after said meeting, meet together and compare the returns of the ward officers; and if it appears that the citizens voting thereon have voted to adopt this act as aforesaid, the Mayor shall immediately make proclamation of the fact, and thereupon this act shall take effect and be in full force.

HOUSE OF REPRESENTATIVES, April 29, 1875.

Passed to be enacted.

JOHN E. SANFORD,

Speaker.

IN SENATE, April 30, 1875.

Passed to be enacted.

GEO. B. LORING,

President.

May, 1, 1875.

Approved:

WM. GASTON.

